



DATA REPORT

MONITORING WELL SAMPLING SPRING 2006

**2400/2324 CURTISS
DOWNERS GROVE, ILLINOIS**

DISCLAIMER:
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1.0 INTRODUCTION

This document has been prepared by Conestoga-Rovers & Associates (CRA) to present additional hydrogeological and chemical data for the properties located at 2324 and 2400 Curtiss Street, Downers Grove, DuPage County, Illinois (Site). The location of the Site is shown on Figure 1.1.

The work documented within this report was conducted pursuant to the Limited Data Collection Work Plan prepared by CRA in December 2005, which was reviewed by USEPA.

2.0 FIELD PROGRAM

The following activities were conducted as part of the Spring 2006 hydrogeological investigation.

2.1 MONITORING WELL INSTALLATION

In accordance with the approved work plan, additional monitoring wells were installed to provide additional chemical characterization and to further define the groundwater flow direction and provide horizontal and vertical hydraulic gradients. Figure 2.1 presents the Site Plan and location of the monitoring wells.

The following monitoring wells were installed in January 2006:

- RMW-1I and 1D;
- RMW-2D;
- RMW-3D;
- RMW-4D;
- RMW-5D;
- RMW-6D; and
- RMW-7D.

A monitoring well construction summary is presented on Table 2.1. Well logs are included in Appendix A.

Monitoring well boreholes were drilled from the ground surface to the top of bedrock using rotosonic drilling and sampling methods. The dolomite bedrock was cored using an HQ bit, which provided a 2.5-inch diameter core. Monitoring wells were constructed with 2-inch diameter, 5-foot long, stainless steel well screens attached to 2-inch diameter PVC riser. The borehole annulus was backfilled with silica sand to a minimum of 2-feet above the top of the screen, a 2-foot thick bentonite pellet seal, and a bentonite slurry to the surface.

New monitoring wells were developed by pumping and surging. A summary of the monitoring well development is presented on Table 2.2.

2.2 MONITORING WELL SAMPLING

Monitoring well sampling was conducted in February and March of 2006. The February 2006 sample round included only the monitoring wells installed in January 2006. The March sample round included all new and existing monitoring wells on Site. A full round of water level measurements was collected from new and existing Site monitoring wells on March 15, 2006. A summary of water level measurements collected during March and April 2006 is presented on Table 2.3. Water table contours from the March 15, 2006 monitoring round are presented on Figure 2.2 and Figure 2.3.

Monitoring wells were sampled using low-flow techniques. Temperature, pH, conductivity, dissolved oxygen, oxidation/reduction potential and turbidity were measured during purging and at the time of sampling. The sampling summaries for February and March 2006 are presented on Table 2.4 and Table 2.5.

Groundwater samples were collected for analysis of volatile organic compounds (VOCs) (USEPA Method 8260B). Samples were collected in accordance with the Quality Assurance/Quality Control (QA/QC) procedures outlined in the approved Quality Assurance Project Plan (QAPP). Duplicate and field rinse blank samples were collected at a frequency of 1:10. Matrix spike and matrix spike duplicate (MS/MSD) samples were collected at a frequency of 1:20. Trip blanks for VOC analysis were also analyzed in accordance with the QAPP.

The water samples collected by CRA for VOC analysis were shipped via overnight delivery to Severn Trent Laboratories (North Canton, Ohio) under standard chain-of-custody procedures.

3.0 INVESTIGATION RESULTS

3.1 GEOLOGICAL DATA

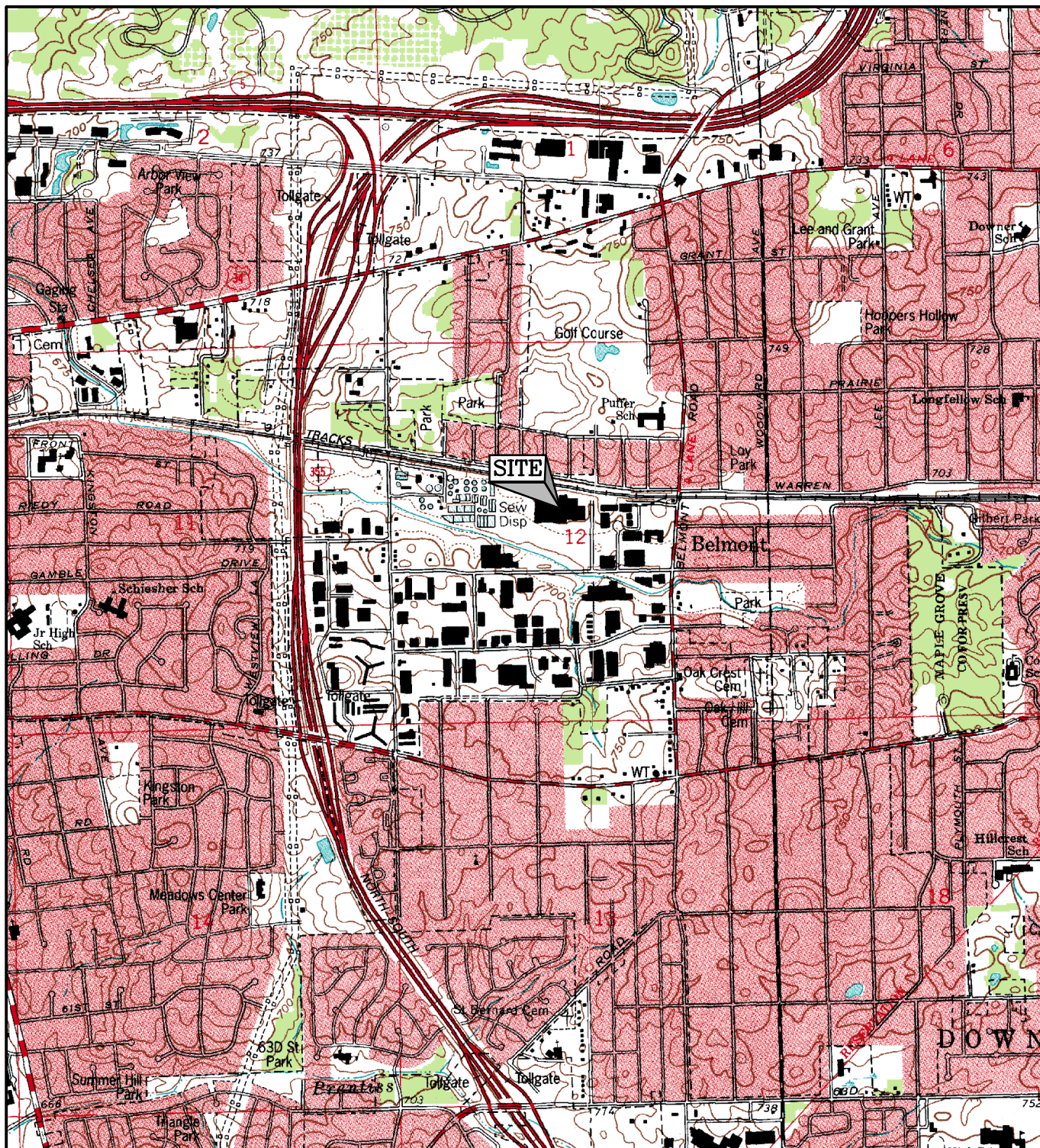
The depth to bedrock at the seven well locations ranged from 48 feet at RMW-1D to 67 feet at RMW-4D. Soils in the overburden consisted of interbedded clays, silts, and sands typical of mixed glacial till and alluvial deposits. The bedrock is Silurian aged dolomite, (Illinois State Geological Survey Web Site). Only the upper portion of the dolomite was penetrated for this investigation. The upper surface of the dolomite was highly weathered, generally becoming moderately to slightly weathered with depth. Horizontal and vertical fractures were encountered frequently at all locations. This is supported by the Rock Quality Designations (RQDs) determined for each coring interval, as shown on the well logs. The average RQD for the seven locations was 39%, where 100% would be unfractured rock. The RQD was generally lowest at the top of the bedrock and improved with depth.

3.2 LABORATORY CHEMICAL DATA

Summaries of detected VOCs are presented in Table 3.1 and Table 3.2.

A total of six VOCs (1,1-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, tetrachloroethene, 1,1,1-trichloroethane, and trichloroethene) were detected in select monitoring well samples.

Trichloroethene and tetrachloroethene concentrations in overburden wells and bedrock wells are presented on Figures 3.1 through 3.4. Laboratory analytical reports are provided in Appendix B. CRA's data quality assessment and validation memos are provided in Appendix C.



BASE SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE;
WHEATON, ILLINOIS 1993

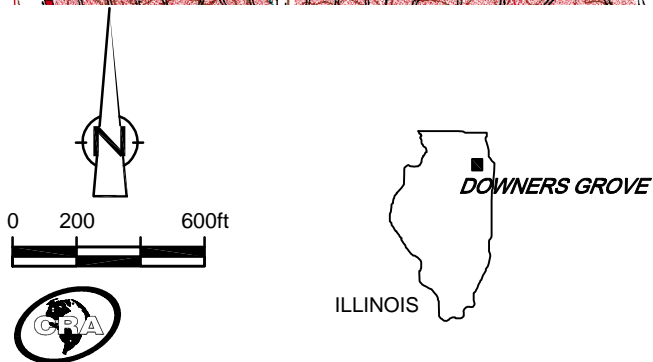


figure 1.1

SITE LOCATION
2400/2324 CURTISS
Downers Grove, Illinois

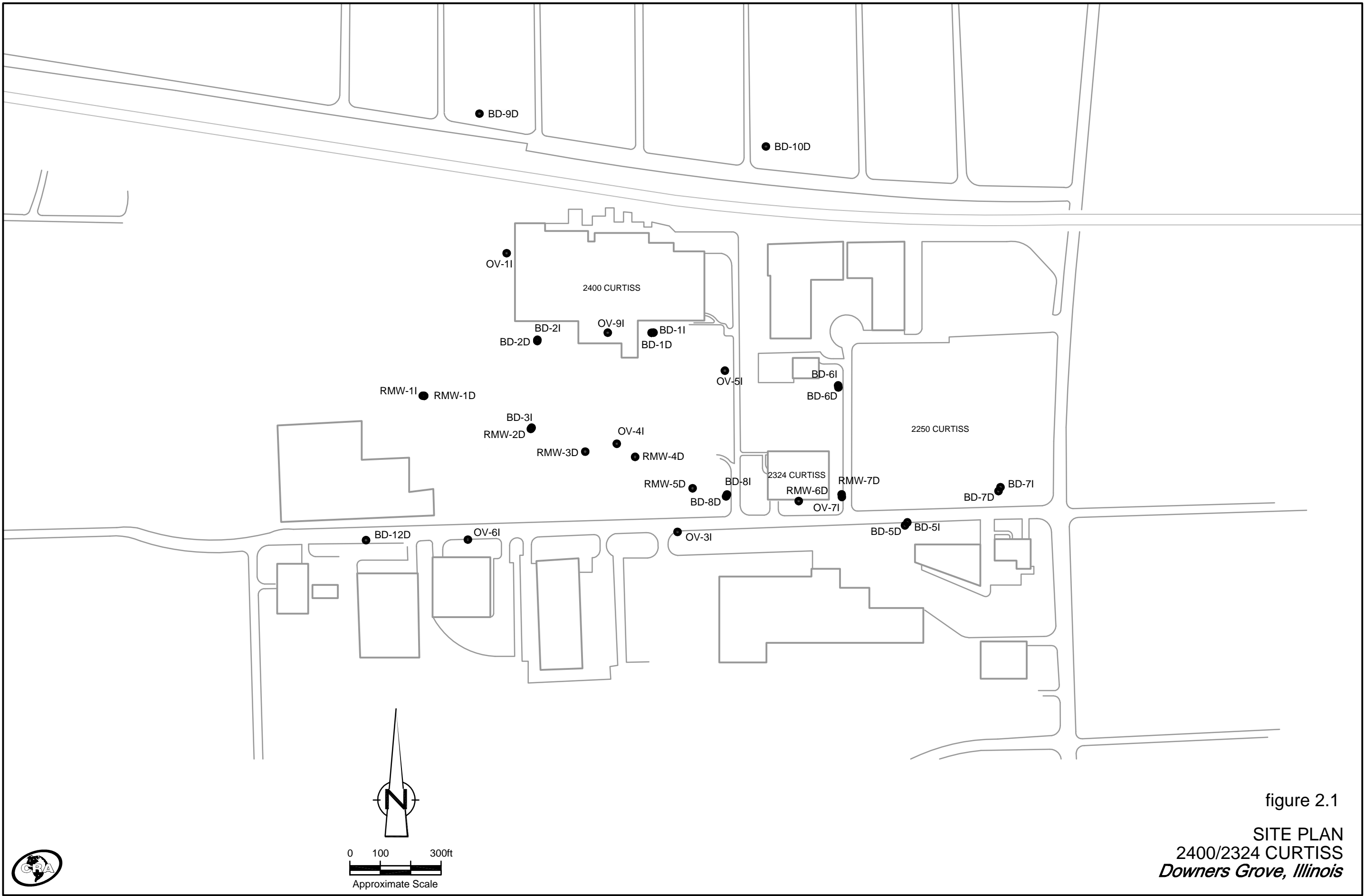


figure 2.1
SITE PLAN
2400/2324 CURTISS
Downers Grove, Illinois



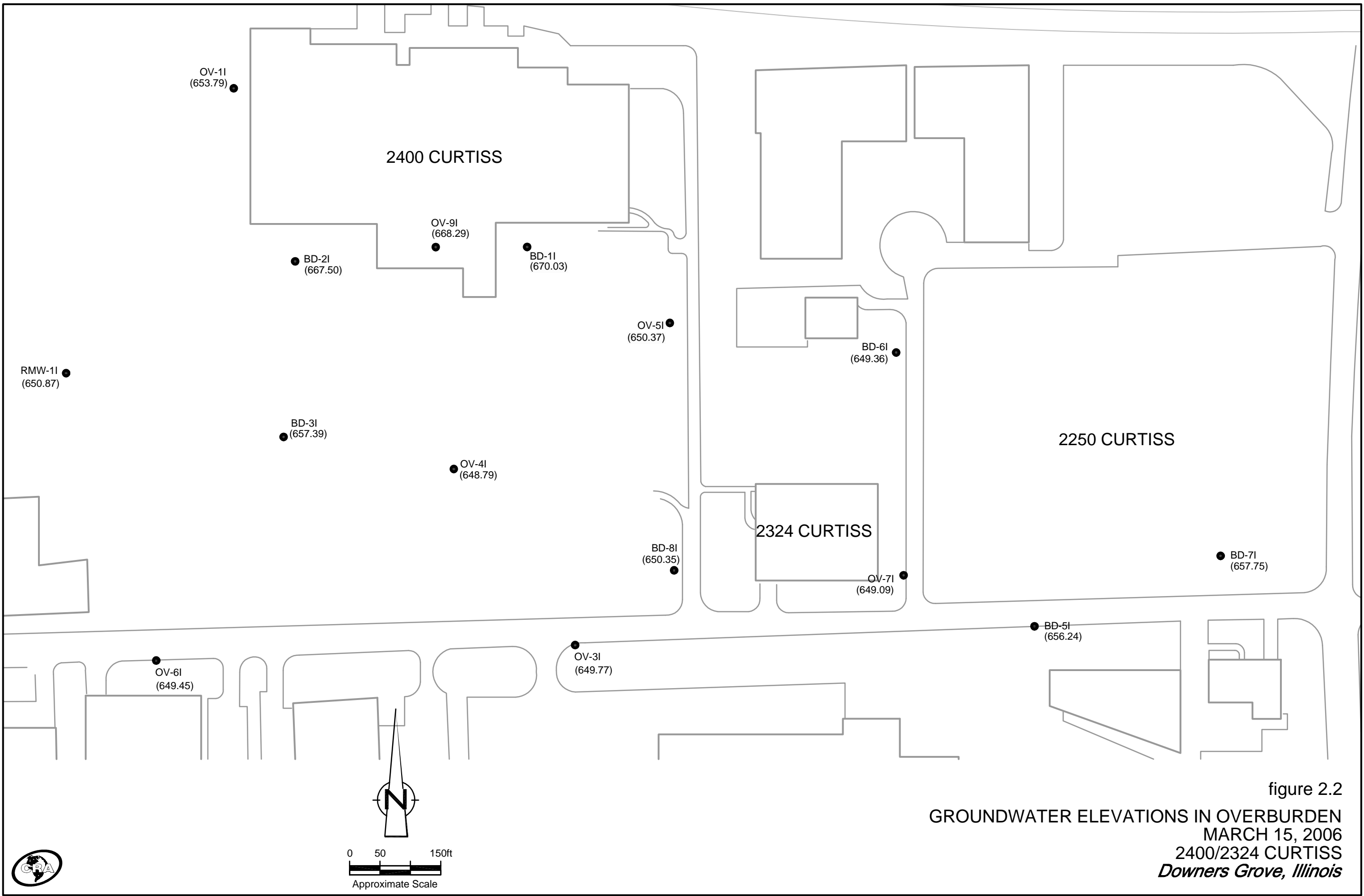


figure 2.2
GROUNDWATER ELEVATIONS IN OVERBURDEN
MARCH 15, 2006
2400/2324 CURTISS
Downers Grove, Illinois



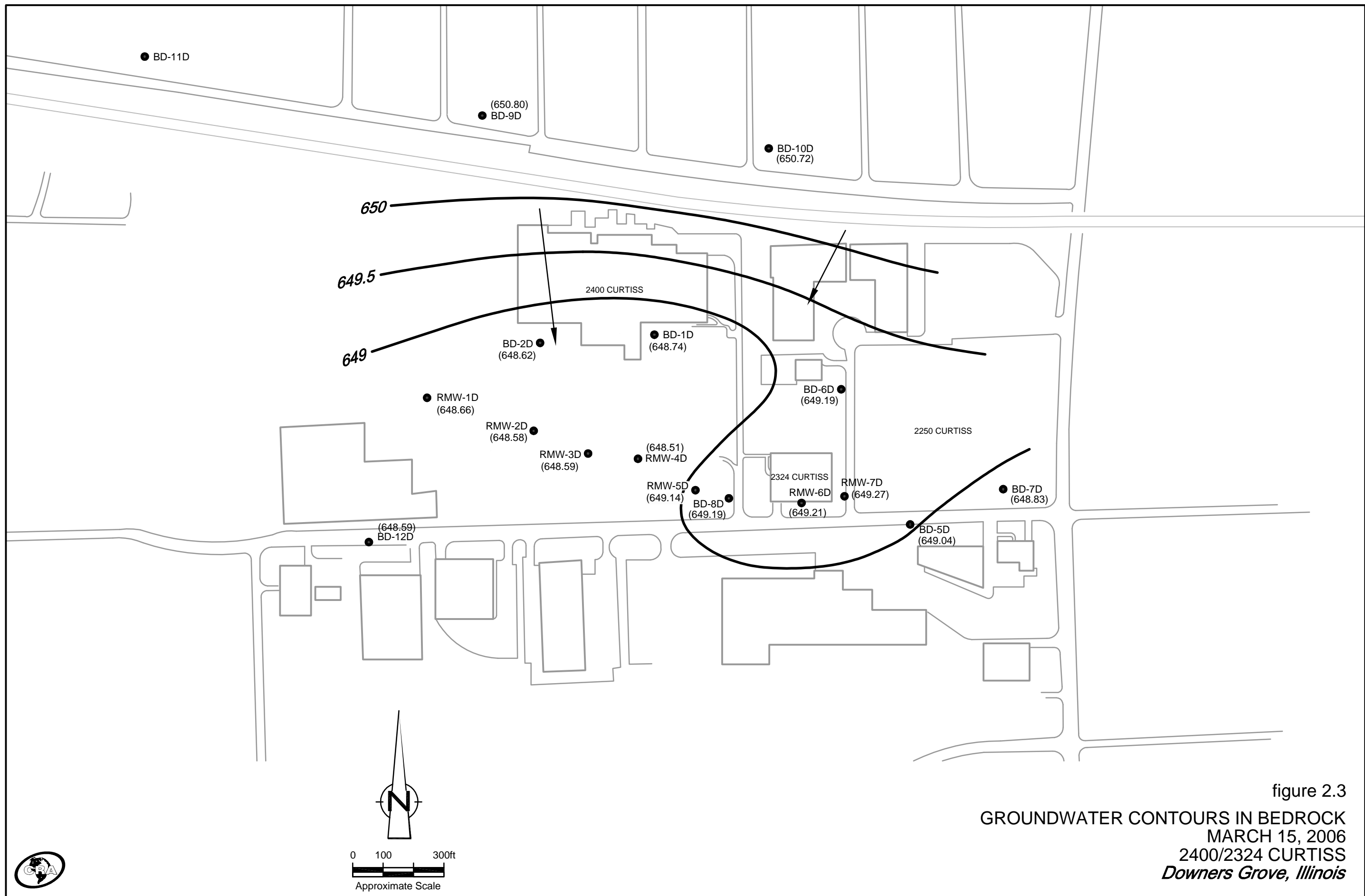
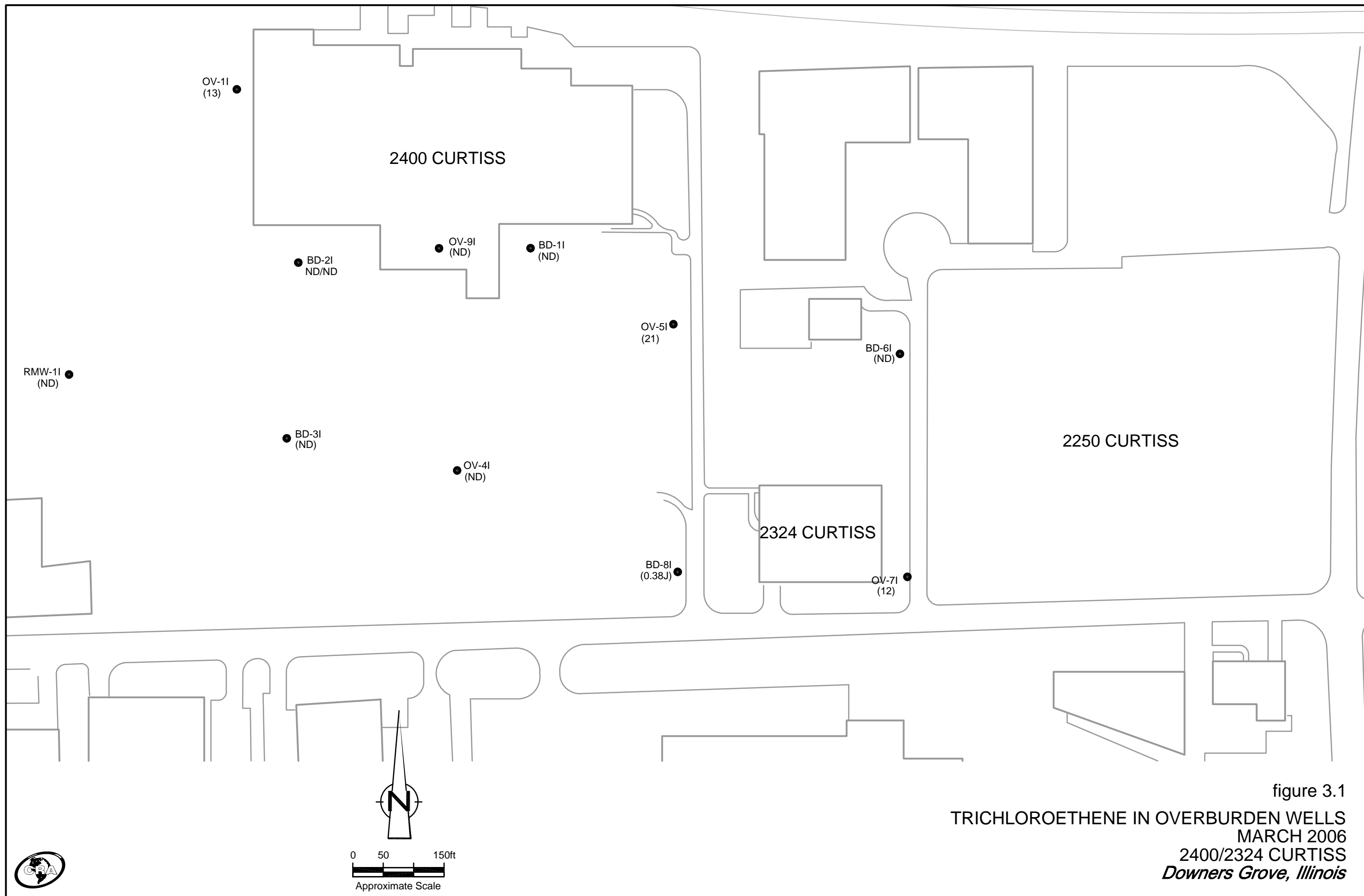


figure 2.3
 GROUNDWATER CONTOURS IN BEDROCK
 MARCH 15, 2006
 2400/2324 CURTISS
 Downers Grove, Illinois





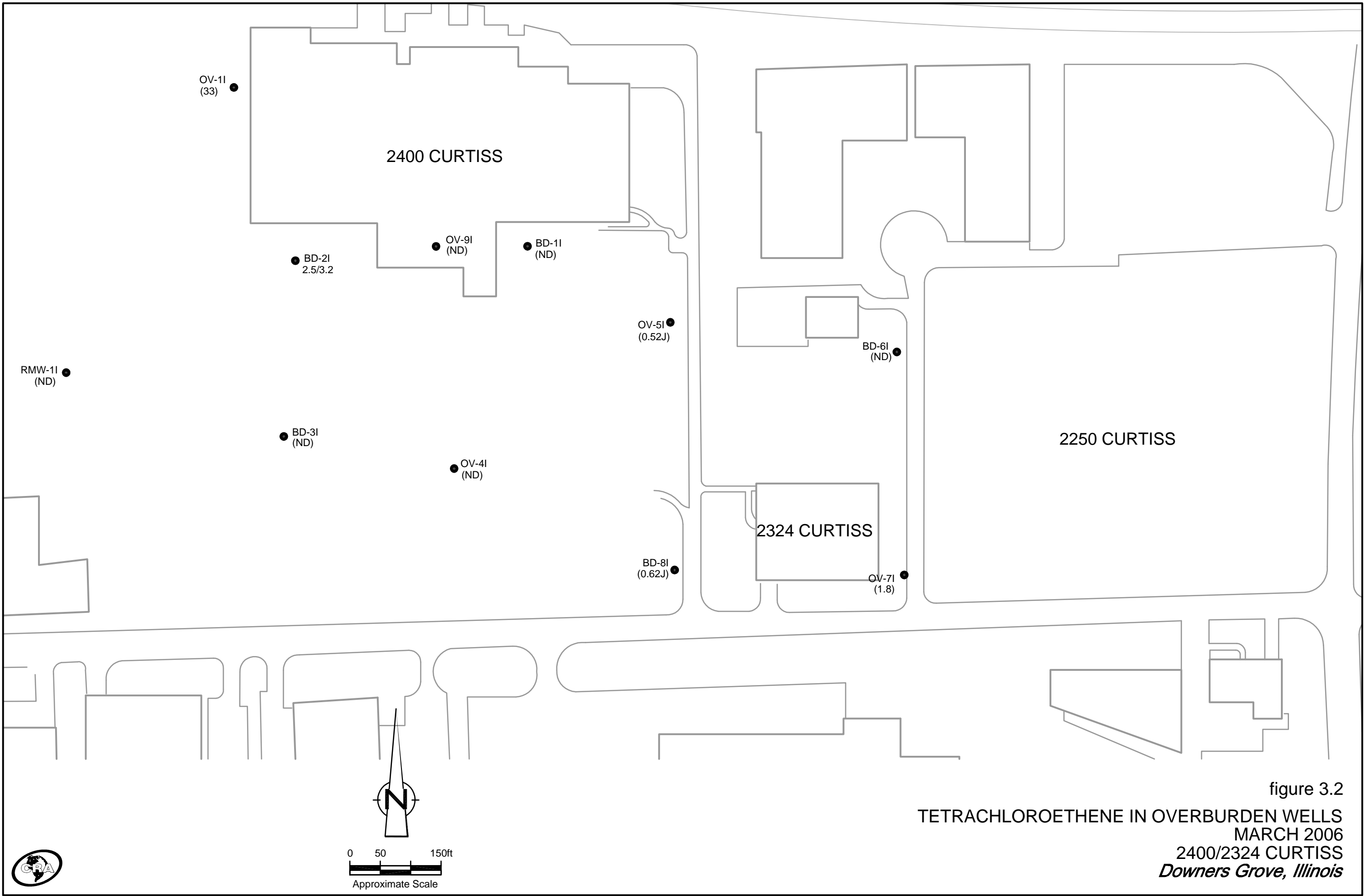


figure 3.2
TETRACHLOROETHENE IN OVERBURDEN WELLS
MARCH 2006
2400/2324 CURTISS
Downers Grove, Illinois

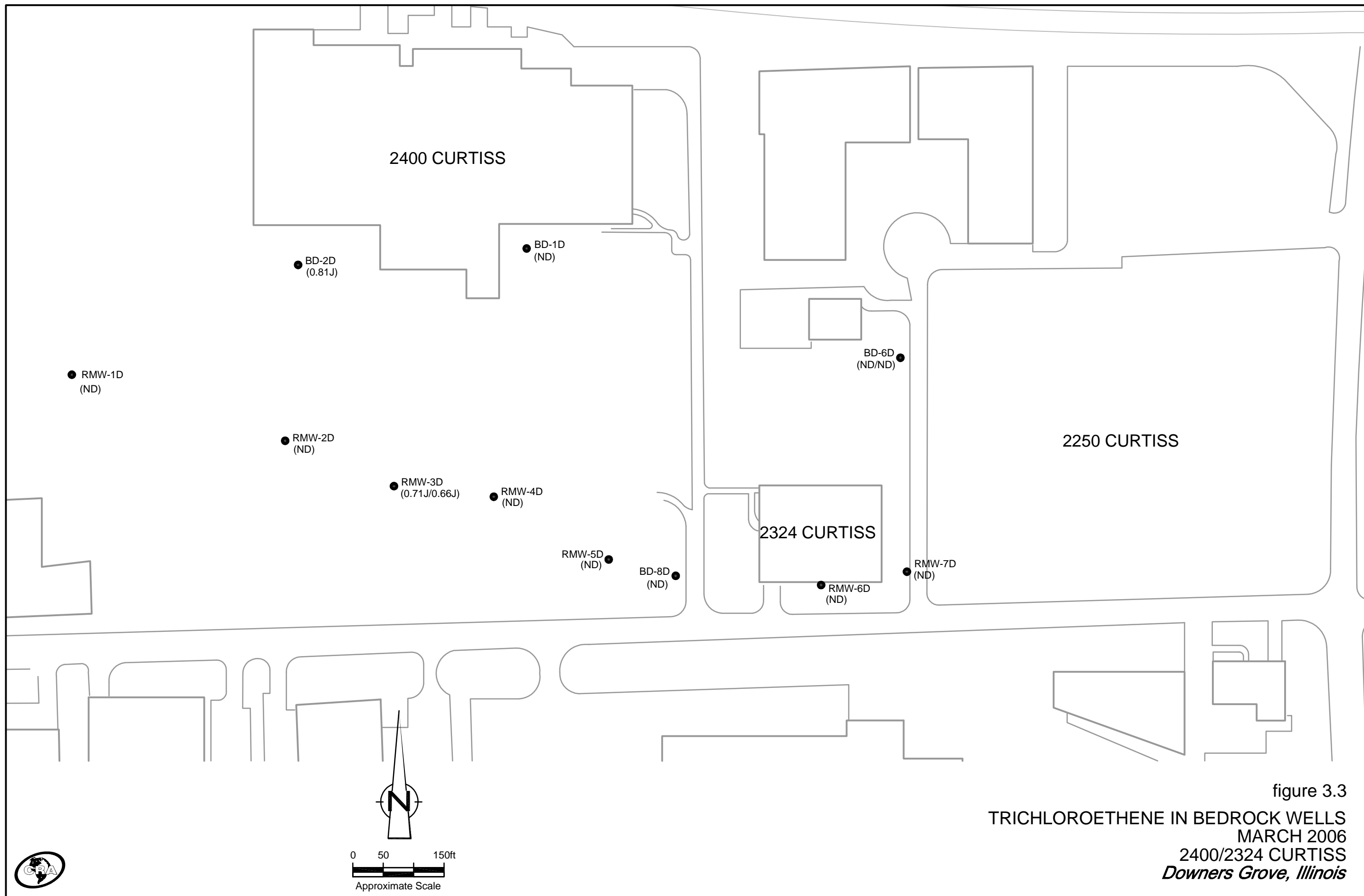


figure 3.3
TRICHLOROETHENE IN BEDROCK WELLS
MARCH 2006
2400/2324 CURTISS
Downers Grove, Illinois

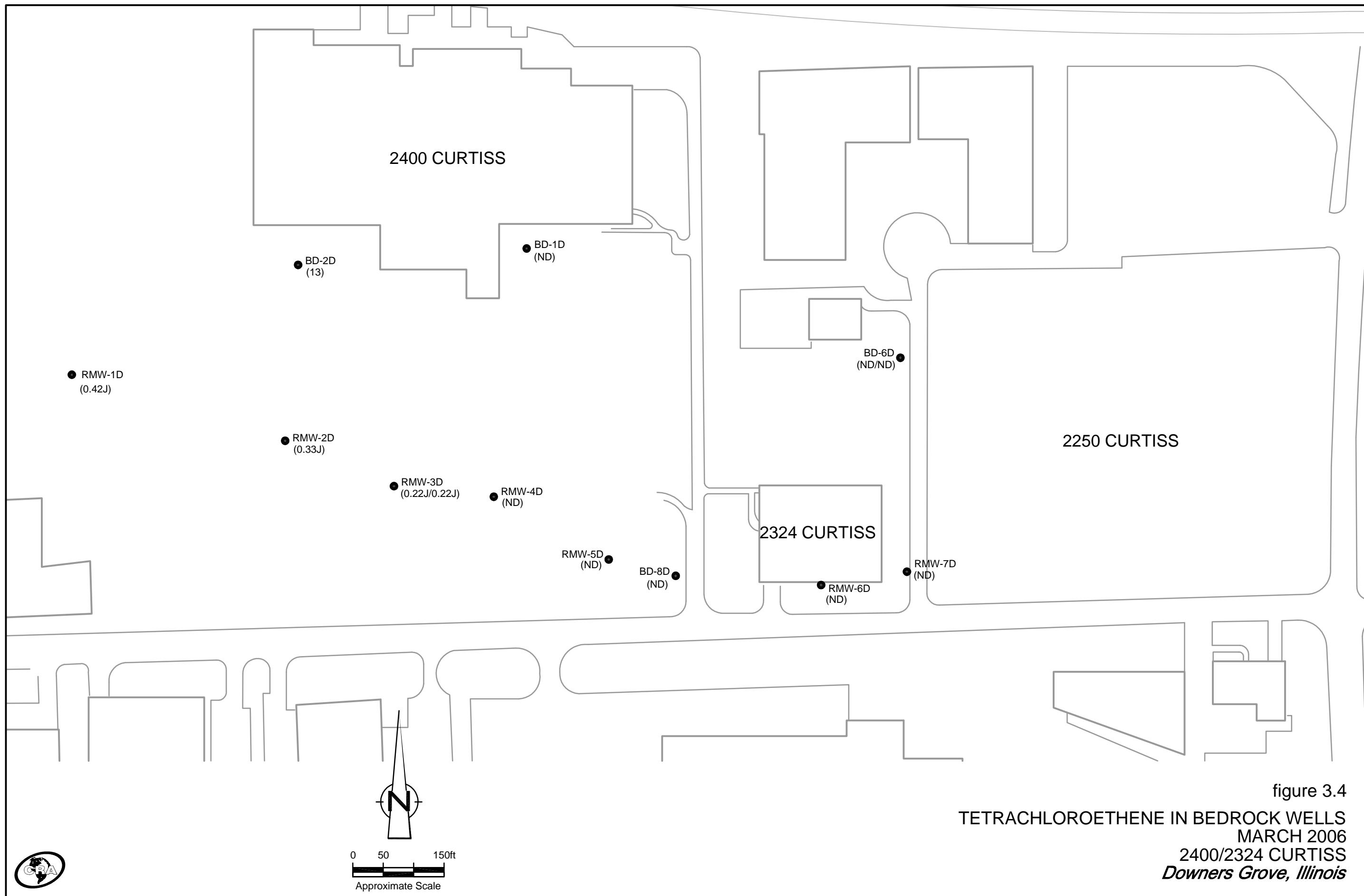


figure 3.4
TETRACHLOROETHENE IN BEDROCK WELLS
MARCH 2006
2400/2324 CURTISS
Downers Grove, Illinois

TABLE 2.1

MONITORING WELL CONSTRUCTION SUMMARY
2400/2324 CURTISS
DOWNERS GROVE, IL

<i>Well Location</i>	<i>Top of Casing (ft. AMSL)</i>	<i>Ground Elevation (ft. AMSL)</i>	<i>Well Depth (ft. bgs)</i>	<i>Casing Diameter (in.)</i>	<i>Casing Material</i>	<i>Screened Interval (ft. bgs)</i>	<i>Formation at Bottom of Well</i>
RMW-1 I	691.82	689.11	45	2	SS	39-44	Lower Sand
RMW-1 D	691.43	689.34	68	2	SS	62-67	Shallow Bedrock
RMW-2 D	688.63	686.2	61	2	SS	55-60	Shallow Bedrock
RMW-3 D	688.49	686.8	70	2	SS	64-69	Shallow Bedrock
RMW-4 D	690.76	691.2	80	2	SS	75-80	Shallow Bedrock
RMW-5 D	690.54	688.01	75	2	SS	70-75	Shallow Bedrock
RMW-6 D	689.46	689.78	75	2	SS	69-74	Shallow Bedrock
RMW-7 D	689.27	689.64	65	2	SS	60-65	Shallow Bedrock

TABLE 2.2

MONITORING WELL DEVELOPMENT SUMMARY
2400/2324 CURTISS
DOWNERS GROVE, IL

Well Location	Date	Volume Removed (gal)	pH	Temperature (°C)	Conductivity (mS/cm)	Turbidity (NTU)	Appearance	Development Method
RMW-1I	1/20/2006	5 Dry at 5 gallons	6.96	12.36	1.287	>1000	silty brown	surge and pump
RMW-1D	1/20/2006	8 12 16 20 24	7.11 6.89 6.89 6.87 6.89	10.83 10.96 11.1 11.14 11.11	1.321 1.334 1.335 1.336 1.332	438 261 114.1 99.8 97.6	cloudy cloudy slightly cloudy slightly cloudy slightly cloudy	surge and pump surge and pump surge and pump surge and pump surge and pump
	2/6/2006	144	--	--	--	--	clear	pump
	2/7/2006	264 384 504 664	7.16 7.24 7.3 7.27	11.5 12.1 12 11.9	0.762 0.791 0.807 0.805	-- -- -- --	clear clear clear clear	pump pump pump pump
RMW-2D	1/20/2006	12 16 20 24 28	7.15 7.09 7.09 7.06 7.06	12.44 12.25 12.21 12.18 12.17	1.253 1.243 1.245 1.245 1.241	244 79.6 45.7 38.4 28.6	cloudy slightly cloudy slightly cloudy clear clear	surge and pump surge and pump surge and pump surge and pump surge and pump
	2/7/2006	133 238 343	7.3 7.25 7.24	13.2 12.6 12.9	0.74 0.755 0.756	-- -- --	clear clear clear	pump pump pump
	2/8/2006	368 408 458 578	-- 7.28 7.29 7.26	-- 12.7 12.9 12.8	-- 0.752 0.757 0.766	-- -- -- --	-- clear clear clear	pump pump pump pump
RMW-3D	1/20/2006	10 15 20 25 30	6.95 6.96 6.9 6.91 6.91	11.61 11.58 11.55 11.54 11.56	1.94 1.92 1.91 1.9 1.9	366 101.4 77.6 68.6 63.7	cloudy cloudy slightly cloudy slightly cloudy slightly cloudy	surge and pump surge and pump surge and pump surge and pump surge and pump
	2/8/2006	50 143 293 443 593 718	7.14 7.14 7.18 7.19 7.18 --	12.9 13.5 12.7 12.8 12.8 --	1.155 1.182 1.199 1.207 1.208 --	-- -- -- -- -- --	slightly cloudy gray clear clear clear clear clear	pump pump pump pump pump pump
RMW-4D	1/20/2006	15 20 25 35 45	6.79 6.67 6.52 6.51 6.48	13.57 12.88 12.96 12.9 12.98	0.329 1.278 1.262 1.262 1.26	579 93.9 24.3 18.3 24.3	cloudy slightly cloudy clear clear clear	surge and pump surge and pump surge and pump surge and pump surge and pump
	1/31/2006	205 300 450 615	7.26 7.27 7.28 7.29	14.5 14.4 14.2 14.1	0.741 0.74 0.745 0.744	-- -- -- --	slightly cloudy -- clear --	pump pump pump pump

TABLE 2.2

**MONITORING WELL DEVELOPMENT SUMMARY
2400/2324 CURTISS
DOWNERS GROVE, IL**

<i>Well Location</i>	<i>Date</i>	<i>Volume Removed (gal)</i>	<i>pH</i>	<i>Temperature (°C)</i>	<i>Conductivity (mS/cm)</i>	<i>Turbidity (NTU)</i>	<i>Appearance</i>	<i>Development Method</i>
RMW-5D	1/20/2006	12	7.07	13.16	1.095	26	clear	surge and pump
		18	7.08	13	1.096	25.1	clear	surge and pump
		24	7.07	12.96	1.106	24.6	clear	surge and pump
		30	7.08	12.98	1.102	25.2	clear	surge and pump
	1/31/2006	72	7.28	13.3	0.743	--	clear	pump
		115	7.51	13.7	0.708	--	clear	pump
		130	7.34	13.7	0.703	--	clear	pump
	2/3/2006	240	7.42	13.9	0.824	--	clear	pump
		350	7.39	13.8	0.792	--	clear	pump
RMW-6D	1/20/2006	12	7.14	11.96	1.201	37.1	slightly cloudy	surge and pump
		18	7.06	12.07	1.198	15.32	clear	surge and pump
		24	7.04	12.11	1.19	14.76	clear	surge and pump
		30	7.06	12.06	1.188	14.88	clear	surge and pump
		36	7.06	12.11	1.189	14.66	clear	surge and pump
		42	7.07	12.12	1.196	14.61	clear	surge and pump
	2/2/2006	142	7.28	14.5	0.791	--	clear	pump
		242	7.31	14.3	0.761	--	clear	pump
		342	7.29	14.3	0.776	--	clear	pump
		442	7.31	14.5	0.78	--	clear	pump
		542	7.32	14.6	0.779	--	clear	pump
		642	7.32	14.4	0.777	--	clear	pump
RMW-7D	1/20/2006	10	7.52	12.29	0.999	379	cloudy	surge and pump
		20	6.73	12.35	1.108	152.3	slightly cloudy	surge and pump
		28	6.68	12.4	1.125	49.7	clear	surge and pump
		32	6.6	12.44	1.118	49.3	clear	surge and pump
		36	6.59	12.38	1.13	41.2	clear	surge and pump
	2/1/2006	136	7.07	14.7	0.755	--	clear	pump
		236	7.33	13	0.699	--	clear	pump
		336	7.28	13.4	0.676	--	clear	pump
		436	7.26	13.3	0.668	--	clear	pump
		536	7.25	13.1	0.66	--	clear	pump
		636	7.25	13.1	0.657	--	clear	pump

TABLE 2.3

GROUNDWATER ELEVATION SUMMARY
2400/2324 CURTISS
DOWNERS GROVE, IL

<i>Well Location</i>	<i>Top of Casing Elevation</i>	<i>3/6/2006</i>	<i>3/15/2006</i>	<i>4/12/2006</i>
<u>Drift Wells</u>				
BD-1 I	696.56	669.98	670.03	--
BD-2 I	701.78	667.67	667.50	--
BD-3 I	688.00	656.48	657.39	--
BD-5 I	689.05	--	656.24	656.75
BD-6 I	692.91	649.45	649.36	649.93
BD-7 I	690.02	NM	657.75	657.14
BD-8 I	689.86	650.03	650.35	650.83
BD-9 I	715.19	--	--	--
OV-1 I	702.56	653.86	653.79	--
OV-3 I	690.08	--	649.77	650.09
OV-4 I	691.04	648.76	648.79	649.35
OV-5 I	694.56	650.35	650.37	650.86
OV-6 I	693.60	--	649.45	--
OV-7 I	688.90	649.17	649.09	649.72
OV-8 I	690.78	--	--	654.75
OV-9 I	703.04	668.30	668.29	--
RMW-1 I	691.82	650.64	650.87	--
<u>Bedrock Wells</u>				
BD-1 D	696.25	648.78	648.74	--
BD-2 D	701.78	648.66	648.62	--
BD-5 D	688.94	--	649.04	649.68
BD-6 D	692.97	649.26	649.19	649.77
BD-7 D	689.64	--	648.83	649.27
BD-8 D	690.00	649.25	649.19	649.80
BD-9 D	715.12	--	650.80	--
BD-10 D	717.35	--	650.72	--
BD-11 D	703.69	--	--	--
BD-12 D	700.30	--	648.59	--
RMW-1 D	691.43	648.71	648.66	--
RMW-2 D	688.63	648.66	648.58	--
RMW-3 D	688.49	648.66	648.59	--
RMW-4 D	690.76	648.57	648.51	649.17
RMW-5 D	690.54	649.24	649.14	649.75
RMW-6 D	689.46	649.32	649.21	--
RMW-7 D	689.27	649.27	649.27	--

Notes:

All elevations shown in feet above mean sea level (ASML).

-- Not measured

TABLE 2.4

MONITORING WELL SAMPLING SUMMARY
FEBRUARY 2006
DOWNERS GROVE, ILLINOIS

<i>CRA ID#</i>	<i>Sample Date</i>	<i>pH</i>	<i>Temp (°C)</i>	<i>Cond (mS/cm)</i>	<i>DO (ppm)</i>	<i>ORP (mV)</i>	<i>Turbidity (NTU)</i>	<i>Sample ID#</i>	<i>QA/QC</i>
RMW-1D	2/13/06	7.26	10.59	1.540	1.4	73.9	3.4	GW-021306-DS-01	--
RMW-1I	2/13/06	8.29	10.68	1.376	12.3	81	>2000	GW-021306-CA-05	--
RMW-2D	2/13/06	7.70	9.59	1.392	1.4	62	6.8	GW-021306-CA-02	DUP (-03)
RMW-3D	2/14/06	6.82	11.15	2.118	3.0	123	4.2	GW-021306-CA-06	--
RMW-5D	2/14/06	7.08	11	1.377	6.3	103	3.7	GW-021306-CA-10	--
RMW-6D	2/14/06	7.60	14.45	1.318	3.8	81	4.9	GW-021306-CA-07	--
RMW-4D	2/14/06	7.50	13.12	1.457	4.5	99	0.5	GW-021306-CA-08	--
RMW-7D	2/15/06	*	11.76	1.246	9.3	130	3.7	GW-021306-CA-11	--

Note:

* - pH meter failed

TABLE 2.5
MONITORING WELL SAMPLING SUMMARY
MARCH 2006
DOWNERS GROVE, ILLINOIS

CRA ID#	Sample Date	pH	Temp (°C)	Cond (mS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTU)	Sample ID#	QA/QC
BD-1D	3/8/06	6.61	12.96	1.17	0.28	238	3	GW-030806-JK-024	--
BD-1I	3/8/06	6.27	14.6	2.41	4.11	238	4	GW-030806-JK-022	--
BD-2D	3/7/06	6.5	13.7	1.47	0.32	314	15	GW-030706-JK-016	--
BD-2I	3/7/06	6.26	14.45	2.15	2.98	328	4.9	GW-030706-JK-014	DUP (-015)
BD-3I	3/7/06	7.13	12.34	1.85	3.31	114	>1000	GW-030706-JK-006	--
BD-6D	3/8/06	7.28	12.31	1.085	0.26	-18	5.95	GW-030806-JK-026	DUP (-027)
BD-6I	3/8/06	7.19	13.19	1.395	0.2	-71	8.2	GW-030806-JK-028	--
BD-8D	3/7/06	6.68	12.01	1.166	0.34	241	32	GW-030706-JK-011	--
BD-8I	3/7/06	6.53	12.77	2.67	2.2	252	24	GW-030706-JK-012	--
OV-1I	3/8/06	6.68	11.69	2.33	1.77	229	525	GW-030806-JK-030	--
OV-4I	3/6/06	6.77	12.57	1.208	0.38	294	27	GW-030606-JK-004	--
OV-5I	3/8/06	6.44	13.6	2.74	0.26	5	32	GW-030806-JK-021	--
OV-7I	3/8/06	7.3	12.51	1.62	2.94	54	8.7	GW-030806-JK-019	--
OV-9I	3/7/06	6.4	15.44	2.69	5.79	311	12	GW-030706-JK-013	--
RMW-1D	3/6/06	7.11	11.41	1.23	0.28	0.41	25	GW-030606-JK-003	--
RMW-1I	3/6/06	7.69	12.38	1.309	1.34	170	390	GW-030606-JK-001	--
RMW-2D	3/7/06	7.2	11.35	1.068	0.48	17	9.5	GW-030706-JK-005	--
RMW-3D	3/7/06	7.16	12.19	1.61	1.61	78	9.7	GW-030706-JK-007	DUP (-008)
RMW-5D	3/7/06	7.24	11.94	1.13	0.26	-71	8.47	GW-030706-JK-010	--
RMW-6D	3/8/06	7.2	12.6	1.098	0.34	-66	9.6	GW-030806-JK-018	--
RMW-7D	3/8/06	7.3	12.92	1.068	0.2	-41	7.3	GW-030806-JK-020	--
RMW-4D	3/6/06	6.71	12.66	1.334	0.44	317	1.98	GW-030606-JK-002	--

TABLE 3.1

SUMMARY OF DETECTED COMPOUNDS (FEBRUARY 2006)
2400/2324 CURTISS
DOWNERS GROVE, ILLINOIS

			<i>1,1-Dichloroethane</i>	<i>Tetrachloroethene</i>	<i>1,1,1-Trichloroethane</i>	<i>Trichloroethene</i>
<i>Location</i>	<i>Date</i>		$\mu\text{g/L}$	$\mu\text{g/L}$	$\mu\text{g/L}$	$\mu\text{g/L}$
RMD-1D	2/13/06		< 1	0.57 J	< 1	< 1
RMD-2D	2/13/06		< 1	0.52 J	< 1	< 1
RMD-2D	2/13/06	D	< 1	0.50 J	< 1	< 1
RMW-1I	2/14/06		< 1	< 1	< 1	< 1
RMW-3D	2/14/06		0.68 J	0.31 J	1.7	0.86 J
RMW-6D	2/14/06		< 1	< 1	< 1	< 1
RMW-4D	2/14/06		< 1	< 1	< 1	< 1
RMW-5D	2/14/06		< 1	< 1	< 1	< 1
RMW-7D	2/15/06		< 1	< 1	< 1	< 1

Notes:

D - Duplicate.

R - Rejected

J - Estimated.

TABLE 3.2

SUMMARY OF DETECTED COMPOUNDS (MARCH 2006)
2400/2324 CURTISS
DOWNERS GROVE, ILLINOIS

			<i>1,1-Dichloroethane</i>	<i>1,1-Dichloroethene</i>	<i>cis-1,2-Dichloroethene</i>	<i>Tetrachloroethene</i>	<i>1,1,1-Trichloroethane</i>	<i>Trichloroethene</i>
<i>Location</i>	<i>Date</i>		$\mu\text{g/L}$	$\mu\text{g/L}$	$\mu\text{g/L}$	$\mu\text{g/L}$	$\mu\text{g/L}$	$\mu\text{g/L}$
BD-1D	3/8/06					< 1		
BD-1I	3/8/06						0.68 J	
BD-2D	3/7/06					13	0.41 J	0.81 J
BD-2I	3/7/06					2.5		
BD-2I	3/7/06	D				3.2		
BD-3I	3/7/06					< 1		
BD-6D	3/8/06					< 1		
BD-6D	3/8/06	D				< 1		
BD-6I	3/8/06					< 1		
BD-8D	3/7/06					< 1		
BD-8I	3/7/06					0.62 J	0.59 J	0.38 J
IW-1	3/8/06					< 1		
OV-1I	3/9/06					33	0.52 J	13
OV-4I	3/6/06		0.29 J					
OV-5I	3/8/06		4.7	0.45 J		0.52 J	12	21
OV-7I	3/8/06				2.3	1.8	0.22 J	12
OV-9I	3/7/06						0.27 J	
RMW-1D	3/6/06					0.42 J		
RMW-1I	3/6/06					< 1		
RMW-2D	3/7/06					0.33 J		
RMW-3D	3/7/06		0.66 J			0.22 J	1.3	0.71 J
RMW-3D	3/7/06	D	0.63 J			0.22 J	1.3	0.66 J
RMW-4D	3/6/06					< 1		
RMW-5D	3/7/06					< 1		
RMW-6D	3/8/06					< 1		
RMW-7D	3/8/06					< 1		

Notes:

D - Duplicate.

J - Estimated.

APPENDIX A

MONITORING WELL LOGS



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 4

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409

HOLE DESIGNATION: RMW-1D

DATE COMPLETED: January 11, 2006

CLIENT:

DRILLING METHOD: Rotasonic & HQ Core

LOCATION: Downers Grove, Illinois

FIELD PERSONNEL: M. Groves

DRILLING CONTRACTOR: Boart Longyear

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
			Steel Protective Cover					
			Concrete Surface Seal					
	TOPSOIL, with grass and roots	0.3		1		2.0		0.9
2	CLS SANDY CLAY, trace gravel and silt, stiff, low plasticity, dark brown, slightly moist					2.0		1.1
	- trace sand, gray at 1.4ft BGS					0.3		1.2
	- with silt, no gravel at 2.1ft BGS			2		2.0		1.2
4	- some sand and gravel, hard, brown at 3.9ft BGS					2.0		1.1
6	SM SILTY SAND, fine grained, some gravel, well graded, loose, brown, dry	5.5	2" Dia. Stainless Steel Casing			0.8		1.3
8				3		2.0		1.0
10	- some silt and clay at 9.1ft BGS					2.0		0.8
12	- trace clay, medium grained at 12.5ft BGS					1.0		1.1
14	- some clay, reddish brown, moist at 14.0ft BGS					0.9		1.1
16						0.0		-
18						0.0		-
20	- medium to fine grained sand, trace cobbles, light brown, slightly moist at 20.0ft BGS		Bentonite	4		2.0		2.8
22						2.0		3.1
24						1.0		3.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STATIC WATER LEVEL ▼ 1/10/06

OVERBURDEN LOG 030409-BEDROCK MW.GPJ CRA CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 4

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409

HOLE DESIGNATION: RMW-1D
DATE COMPLETED: January 11, 2006
DRILLING METHOD: Rotasonic & HQ Core
FIELD PERSONNEL: M. Groves

CLIENT:
LOCATION: Downers Grove, Illinois
DRILLING CONTRACTOR: Boart Longyear

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
26						1.0		3.0
	- trace clay, moist at 27.4ft BGS					2.0		2.6
28						1.0		2.8
30				5		2.0		0.7
32	- saturated at 33.0ft BGS					2.0		0.6
34						1.0		1.8
	MLS SANDY SILT, soft, moderate plasticity, gray, very moist	34.8				1.0		1.8
36						2.0		1.7
	SP SAND, medium grained, some gravel, poorly graded, compact, brown, saturated	37.1				2.0		1.4
38	- fine to medium grained, very moist at 38.3ft BGS					2.0		1.4
40						2.0		1.4
	MLS SANDY SILT, trace gravel, soft, low plasticity, gray, wet	40.7		6		2.0		1.0
42						2.0		0.8
44						1.0		0.7
						1.0		0.7
46						2.0		0.9
48	- weathered bedrock, tan from 48.1 to 55.0ft BGS					2.0		1.1

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼ 1/10/06

OVERBURDEN LOG 030409-BEDROCK MW.GPJ CRA CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 3 of 4

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409
CLIENT:
LOCATION: Downers Grove, Illinois
DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-1D
DATE COMPLETED: January 11, 2006
DRILLING METHOD: Rotosonic & HQ Core
FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
52				7		2.0		0.6
54						2.0		0.8
56	- no stratigraphy - outer casing set from 55.0 to 58.0ft BGS	55.0				1.0		0.7
58	END OF OVERBURDEN HOLE @ 58.0ft BGS							
60								
62								
64								
66								
68								
70								
72								
74								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼ 1/10/06

OVERBURDEN LOG 030409-BEDROCK MW.GPJ CRA_CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

Page 4 of 4

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409

CLIENT:

LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

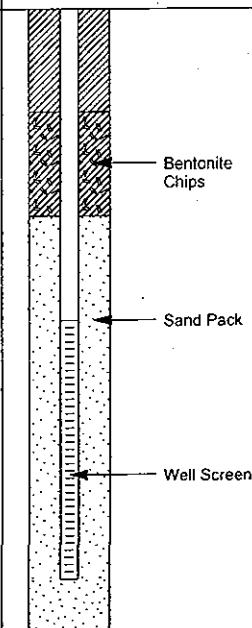
HOLE DESIGNATION: RMW-1D

DATE COMPLETED: January 11, 2006

DRILLING METHOD: Rotasonic & HQ Core

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	RUN NUMBER	CORE RECOVERY %	RQD %	Water Return (gallons)
58	DOLOSTONE, fine grained, well cemented, massive, bluish-tan			1		0	~40
	- fragmented, unweathered from 58.4 to 58.7ft BGS			2		33	~110
60	- horizontal fracture, moderately weathered, sand infilled at 59.0ft BGS						
	- horizontal fracture, moderately weathered at 59.1ft BGS						
62	- horizontal fracture, moderately weathered, oxidized at 59.9ft BGS			3		17	~100
	- fragmented, moderately weathered, oxidized from 60.1 to 60.6ft BGS						
64	- vertical fracture, slightly, weathered, oxidized from 60.6 to 61.4ft BGS						
	- horizontal fracture, moderately weathered, silt infilled at 61.4ft BGS						
66	- fragmented, oxidized at 61.9ft BGS			4		25	~75
	- horizontal fracture, moderately weathered, oxidized at 62.5ft BGS						
	- horizontal fracture, moderately weathered, oxidized at 62.7ft BGS						
68	- horizontal fracture, moderately weathered, oxidized at 63.2ft BGS						
	- void, silt infilled from 63.9 to 64.1ft BGS	68.0					
	- horizontal fracture, slightly weathered at 64.3ft BGS						
70	- fragmented, unweathered from 64.5 to 65.4ft BGS						
	- horizontal fracture, slightly weathered at 65.6ft BGS						
	- horizontal fracture, slightly weathered at 65.9ft BGS						
72	- fragmented, slightly weathered at 66.4ft BGS						
	END OF BOREHOLE @ 68.0ft BGS						
74							
76							
78							
80							



WELL DETAILS
Screened interval:
62.0 to 67.0ft BGS
Length: 5ft
Diameter: 2in
Slot Size: 10
Material: Factory-slotted
Stainless Steel
Seal:
58.0 to 60.0ft BGS
Material: Bentonite Chips
Sand Pack:
60.0 to 68.0ft BGS
Material: #5 Silica Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL 1/10/06

BEDROCK LOG 030409-BEDROCK MW/GPJ CRA_CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409

HOLE DESIGNATION: RMW-11
DATE COMPLETED: January 11, 2006
DRILLING METHOD: Rotasonic & HQ Core
FIELD PERSONNEL: M. Groves

CLIENT:
LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (ft)	'N' VALUE
	TOPSOIL, with grass and roots	0.3	Protective Cover	1		2.0	
	CLS SANDY CLAY, trace gravel and silt, stiff, low plasticity, dark brown, slightly moist		Concrete Surface Seal			2.0	
5	- trace sand, gray at 1.4ft BGS					0.3	
	- with silt, no gravel at 2.1ft BGS			2		2.0	
	- some sand and gravel, hard, brown at 3.9ft BGS	5.5				2.0	
	SM SILTY SAND, fine grained, some gravel, well graded, loose, brown, dry					0.8	
10	- some silt and clay at 9.1ft BGS		2" Dia. Stainless Steel Casing	3		2.0	
	- trace clay, medium grained at 12.5ft BGS					2.0	
15	- some clay, reddish brown, moist at 14.0ft BGS					1.0	
						0.9	
						0.0	
20	- medium to fine grained sand, trace cobbles, light brown, slightly moist at 20.0ft BGS		Bentonite	4		0.0	
						2.0	
25						1.0	
						1.0	
	- trace clay, moist at 27.4ft BGS					2.0	
30				5		1.0	
						2.0	
	- saturated at 33.0ft BGS					2.0	
35		34.8				1.0	
	MLS SANDY SILT, soft, moderate plasticity, gray, very moist		Bentonite Chips			1.0	
		37.1				2.0	
	SP SAND, medium grained, some gravel, poorly graded, compact, brown, saturated					2.0	
40	- fine to medium grained, very moist at 38.3ft BGS	40.7	Sand Pack	6		2.0	
	MLS SANDY SILT, trace gravel, soft, low plasticity, gray, wet		Well Screen			2.0	
45		45.0				2.0	
	END OF BOREHOLE @ 45.0ft BGS					1.0	
50							
55							

WELL DETAILS
Screened interval:
39.0 to 44.0ft BGS
Length: 5ft
Diameter: 2in
Slot Size: 10
Material: Factory-slotted Stainless Steel
Seal:
35.0 to 37.0ft BGS
Material: Bentonite Chips
Sand Pack:
37.0 to 45.0ft BGS
Material: #5 Silica Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL 1/10/06

OVERBURDEN LOG 030409-BEDROCK MW.GPJ CRA CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 3

PROJECT NAME: Rexnord

PROJECT NUMBER: 030409

CLIENT:

LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-2D

DATE COMPLETED: January 12, 2006

DRILLING METHOD: Rotasonic & HQ Core

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOPSOIL, with grass and roots	0.5						
2	MLS SANDY SILT, some clay, trace gravel, firm, low plasticity, dark brown, slightly moist - brown at 1.2ft BGS			1		2.0		1.4
		2.8				2.0		1.8
4	OL ORGANIC SILT, trace sand, firm, non-plastic, black, slightly moist - some sand, trace gravel, dark brown at 3.9ft BGS					0.5		1.9
6		6.5		2		2.0		1.9
8	ML SILT, some clay and sand, trace gravel, stiff, low plasticity, brown, slightly moist - trace clay, no gravel at 8.9ft BGS					2.0		2.0
10						0.5		1.8
12				3		0.0		--
14						0.0		--
16	SM SILTY SAND, some gravel, loose, well graded, brown, dry	15.0				0.0		--
18				4		2.0		--
20						2.0		2.4
22	- light brown at 18.3ft BGS					1.0		2.1
24				5		2.0		1.6
26	- some gravel, trace cobble at 21.1ft BGS					2.0		1.8
28						1.0		2.2
30						1.0		2.2
32	- no cobble, compact, very moist at 28.1ft BGS					2.0		2.4
34	- wet/saturated at 30.1ft BGS					0.5		1.9
	ML SILT, some sand, trace gravel, firm, low plasticity, gray, moist	30.8		6		2.0		1.8
	SP SAND, medium grained, some gravel, poorly graded, trace silt, compact, brown, saturated	32.3				2.0		2.2
	ML SILT, some sand, trace clay and gravel,	33.5				1.0		2.3

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL 1/11/06

OVERBURDEN LOG 030409-BEDROCK MW/GPJ CRA CORP GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 3

PROJECT NAME: Rexnord

PROJECT NUMBER: 030409

CLIENT:

LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-2D

DATE COMPLETED: January 12, 2006

DRILLING METHOD: Rotosonic & HQ Core

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
36	soft, low plasticity, brown, very moist - firm, moist at 34.0ft BGS - no clay, gray, very moist at 34.8ft BGS - moist at 37.5ft BGS - dry at 47.5ft BGS - bedrock, limestone fragments at 49.5ft BGS - fragmented, moderately weathered, oxidized from 50.3 to 53.5ft BGS END OF OVERBURDEN HOLE @ 50.0ft BGS					1.0		2.3
						2.0		1.7
38						2.0		1.9
40				7		2.0		1.0
42						2.0		0.8
44						1.0		0.7
46						1.0		0.7
48						2.0		0.8
						1.5		0.8
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼ 1/11/06

OVERBURDEN LOG 030409-BEDROCK MW/GPJ CRA_CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

Page 3 of 3

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409

HOLE DESIGNATION: RMW-2D
DATE COMPLETED: January 12, 2006
DRILLING METHOD: Rotasonic & HQ Core
FIELD PERSONNEL: M. Groves

CLIENT:
LOCATION: Downers Grove, Illinois
DRILLING CONTRACTOR: Boart Longyear

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	RUN NUMBER	CORE RECOVERY %	RQD %	Water Return (gallons)
50	- bedrock, limestone fragments at 49.5ft BGS - fragmented, moderately weathered, oxidized from 50.3 to 53.5ft BGS	50.0					
52	DOLOSTONE, fine grained, well cemented, massive, gray-blue		Bentonite Chips	1		20	~140
54	- horizontal fracture, moderately weathered, oxidized at 54.0ft BGS						
56	- void, heavily weathered, silt infilled at 54.6ft BGS		Sand Pack	2		58	~90
58	- horizontal fracture, moderately weathered, oxidized at 55.3ft BGS		Well Screen				
60	- fragmented, unweathered from 55.4 to 56.1ft BGS			3		33	~50
62	- horizontal fracture, slightly weathered at 56.9ft BGS	61.0					
64	- horizontal fracture, moderately weathered at 57.4ft BGS						
66	- horizontal fracture, moderately weathered at 59.0ft BGS						
68	END OF BOREHOLE @ 61.0ft BGS						
70							
72							
74							
76							
78							
80							
82							

WELL DETAILS

Screened Interval:

55.0 to 60.0ft BGS

Length: 5ft

Diameter: 2in

Slot Size: 10

Material: Factory-slotted
Stainless Steel

Seal:

51.0 to 53.0ft BGS

Material: Bentonite Chips

Sand Pack:

53.0 to 61.0ft BGS

Material: #5 Silica Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼ 1/11/06

BEDROCK LOG 030409-BEDROCK MW.GPJ CRA_CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 3

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409
CLIENT:
LOCATION: Downers Grove, Illinois
DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-3D
DATE COMPLETED: January 13, 2006
DRILLING METHOD: Rotasonic & HQ Core
FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
			Steel Protective Cover Concrete Surface Seal					
	TOPSOIL, with grass and roots	0.6		1		2.0		0.2
2	CL. CLAY, sandy, silty, trace gravel, stiff, low plasticity, dark brown, slightly moist					2.0		1.8
	- trace cobble at 1.9ft BGS					0.5		1.9
4	- no cobble at 3.0ft BGS			2		2.0		1.9
6	MLS SANDY SILT, trace clay and gravel, very stiff, low plasticity, dark brown, slightly moist	6.3				2.0		2.3
8	- stiff, brown at 7.8ft BGS					1.0		2.6
10			2" Dia. Stainless Steel Casing	3		2.0		--
12						2.0		--
14						0.5		--
16	- some gravel, trace cobble, soft, light brown at 15.0ft BGS					0.0		--
18	- no cobble at 17.5ft BGS					0.0		1.6
20						0.0		1.8
22				4		2.0		--
24						2.0		--
26	- trace cobble at 26.5ft BGS					1.0		--
28	- no cobble at 28.0ft BGS					0.0		--
30	CL-CH CLAY, silty, some sand, trace gravel, soft, high plasticity, gray, very moist	30.0		5		2.0		3.4
32	ML SILT, some sand, trace clay and gravel, soft, low plasticity, very moist	31.9				2.0		2.9
34	- no clay, non-plastic at 33.9ft BGS					1.0		4.8

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL 1/12/06

OVERBURDEN LOG 030409-BEDROCK MW.GPJ CRA_CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 3

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409

HOLE DESIGNATION: RMW-3D
DATE COMPLETED: January 13, 2006
DRILLING METHOD: Rotosonic & HQ Core

CLIENT:
LOCATION: Downers Grove, Illinois
DRILLING CONTRACTOR: Boart Longyear

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
36						1.0		4.8
						2.0		3.5
38	- firm at 37.8ft BGS - stiff, moist at 38.4ft BGS					2.0		3.9
40	- brown at 39.6ft BGS - some sand, soft, wet at 40.0ft BGS			6		2.0		3.2
42	- firm, moist at 42.2ft BGS					2.0		4.8
44						1.0		5.1
	- stiff at 45.0ft BGS					1.0		5.1
46	- 2-inch sand seam, medium to coarse grained at 46.2ft BGS					2.0		4.9
48	- some clay, soft, low plasticity, light gray, wet at 48.1ft BGS					2.0		5.2
50				7		2.0		3.7
52						2.0		3.8
54	- with sand at 53.0ft BGS - weathered bedrock, tan, dry at 53.8ft BGS					1.0		4.4
						1.0		4.4
56						2.0		5.1
58	- bedrock and limestone fragments at 57.3ft BGS					2.0		4.8
60	END OF OVERBURDEN HOLE @ 60.0ft BGS							
62								
64								
66								
68								

OVERBURDEN LOG 030409-BEDROCK MW/GPJ CRA_CORP.GDT 5/25/06

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼ 1/12/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

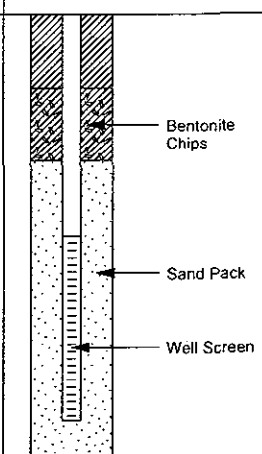
Page 3 of 3

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409

HOLE DESIGNATION: RMW-3D
DATE COMPLETED: January 13, 2006
DRILLING METHOD: Rotasonic & HQ Core
FIELD PERSONNEL: M. Groves

CLIENT:
LOCATION: Downers Grove, Illinois
DRILLING CONTRACTOR: Boart Longyear

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	RUN NUMBER	CORE RECOVERY %	RQD %	Water Return (gallons)
60	DOLOSTONE, fine grained, well cemented, massive, gray	60.0					
62	- horizontal fracture, moderately weathered at 60.4ft BGS			1		33	~150
64	- horizontal fracture, heavily weathered at 61.1ft BGS						
66	- oxidized, silt infilled at 61.5ft BGS						
68	- void, silt/clay infilled from 62.1 to 62.5ft BGS			2		78	~130
70	- fragmented, moderately weathered, oxidized from 62.6 to 63.3ft BGS						
72	- horizontal fracture, slightly weathered at 64.5ft BGS			3		50	~75
74	- void, silt infilled at 65.5ft BGS						
76	- horizontal fracture, slightly weathered, oxidized at 68.0ft BGS						
78	- horizontal fracture, moderately weathered, oxidized at 68.4ft BGS						
80	- horizontal fracture, moderately weathered, oxidized at 68.5ft BGS						
82	- horizontal fracture, moderately weathered, oxidized at 68.7ft BGS						
84	END OF BOREHOLE @ 70.0ft BGS						
86							
88							
90							
92							



WELL DETAILS
Screened interval:
64.0 to 69.0ft BGS
Length: 5ft
Diameter: 2in
Slot Size: 10
Material: Factory-slotted
Stainless Steel
Seal:
60.0 to 62.0ft BGS
Material: Bentonite Chips
Sand Pack:
62.0 to 70.0ft BGS
Material: #5 Silica Sand

BEDROCK LOG 030409-BEDROCK MW/GPJ CRA_CORP/GDT 5/25/06

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE. REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL 1/12/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 4

PROJECT NAME: Rexnord

PROJECT NUMBER: 030409

CLIENT:

LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-4D

DATE COMPLETED: January 17, 2006

DRILLING METHOD: Rotasonic & HQ Core

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N-VALUE	PID (ppm)
	GC CLAYEY GRAVEL, medium to coarse grained, poorly graded, dark gray, moist			1		2.0		0
2	CL CLAY, silty, some gravel and cobbles, moderate plasticity, medium brown, moist	2.0				0.8		0
4						0.0		0
6				2		2.0		0
8						1.0		0
						0.0		0
10	- dark gray/brown at 11.0ft BGS			3		2.0		2.0
12	- medium gray/brown at 13.0ft BGS					0.6		2.4
14						0.0		0.2
16				4		2.0		1.9
18	SM/SC GRAVELLY SAND, some silt and clay, fine to coarse grained sand, fine grained gravel to cobbles, well graded, light brown, dry to moist	16.5				2.0		3.3
20						0.0		4.6
22				5		2.0		0.2
24	CL CLAY, gravelly, some silt, low to moderate plasticity, medium brown, moist	22.0				2.0		2.0
	SM/SC GRAVELLY SAND, some silt and clay, fine to coarse grained sand, fine grained gravel to cobbles, well graded, light brown,	23.5				1.5		3.1

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STATIC WATER LEVEL 1/16/06

OVERBURDEN LOG 030409-BEDROCK MW/GPJ CRA_CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 4

PROJECT NAME: Rexnord

PROJECT NUMBER: 030409

CLIENT:

LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-4D

DATE COMPLETED: January 17, 2006

DRILLING METHOD: Rotasonic & HQ Core

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
26	dry to moist			6		0.0		3.1
28						0.0		1.3
30						0.0		2.2
30	CH CLAY, some silt, trace sand, high plasticity, dark gray, moist	30.0		7		2.0		0.2
32						2.0		2.7
34	SM/SC GRAVELLY SAND, some silt and clay, fine to coarse grained sand, fine grained gravel to cobbles, well graded, light brown, dry to moist	34.0				1.0		1.1
36	- wet at 35.0ft BGS - moist at 36.5ft BGS			8				3.8
38								10.2
40								1.4
40	CL CLAY, silty, little sand, little gravel, low to moderate plasticity, medium brown, moist	40.0		9				1.5
42								
44	ML SILT, clayey, little sand, little gravel, low plasticity, moist to wet	43.0						5.8
46				10				2.2
48	GC/GM SANDY GRAVEL, some silt and clay, fine to coarse grained gravel, well graded, light gray, moist to wet	47.5						3.8
								2.7
								4.2

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STATIC WATER LEVEL 1/16/06

OVERBURDEN LOG 030409-BEDROCK MW.GPJ CRA_CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 3 of 4

PROJECT NAME: Rexnord

PROJECT NUMBER: 030409

CLIENT:

LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-4D

DATE COMPLETED: January 17, 2006

DRILLING METHOD: Rotasonic & HQ Core

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
52				11				0.7
54								0.1
56				12				1.2
58	CL CLAY, sandy, some silt, little gravel, low plasticity, light gray, moist	57.0						0.1
60								3.6
62								4.4
64				13				0.2
66	GC/GM SANDY GRAVEL, little silt and clay, fine to coarse grained, light gray, moist (weathered limestone) - moist to wet at 66.5ft BGS - carbonate bedrock from 67.0 to 70.0ft BGS	65.0		14		2.0		1.6
68						2.0		2.5
70	- horizontal fracture, slightly weathered at 70.2ft BGS END OF OVERBURDEN HOLE @ 70.0ft BGS					1.0		8.3
72								1.5
74								0.2

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STATIC WATER LEVEL 1/16/06

OVERBURDEN LOG 030409-BEDROCK MW.GPJ CRA_CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

Page 4 of 4

PROJECT NAME: Rexnord

PROJECT NUMBER: 030409

CLIENT:

LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-4D

DATE COMPLETED: January 17, 2006

DRILLING METHOD: Rotasonic & HQ Core

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	RUN NUMBER	CORE RECOVERY %	RQD %	Water Return (gallons)
70	- horizontal fracture, slightly weathered at 70.2ft BGS DOLOSTONE, fine grained, well cemented, massive, tan	70.0					
72	- horizontal fracture, slightly weathered at 70.3ft BGS - horizontal fracture, slightly weathered at 70.5ft BGS		Bentonite Chips	1		40	Unknown
74	- horizontal fracture, slightly weathered at 70.7ft BGS - fragmented, moderately weathered, oxidized from 70.8 to 71.3ft BGS						
76	- vertical fracture, moderately weathered, oxidized from 71.3 to 71.5ft BGS - gray-blue at 71.5ft BGS - vertical fracture, moderately weathered, oxidized from 73.5 to 74.0ft BGS		Sand Pack	2		56	Unknown
78			Well Screen	3		75	Unknown
80	- horizontal fracture, slightly weathered, crystal infilled at 79.6ft BGS - horizontal fracture, slightly weathered, crystal infilled at 79.8ft BGS END OF BOREHOLE @ 80.0ft BGS	80.0					
82							
84							
86							
88							
90							
92							

WELL DETAILS

Screened interval:

75.0 to 80.0ft BGS

Length: 5ft

Diameter: 2in

Slot Size: 10

Material: Factory-slotted

Stainless Steel

Seal:

71.0 to 73.0ft BGS

Material: Bentonite Chips

Sand Pack:

73.0 to 80.0ft BGS

Material: #5 Silica Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STATIC WATER LEVEL 1/16/06

BEDROCK LOG 030409-BEDROCK MW.GPJ CRA CORP.GPJ 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 4

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409

HOLE DESIGNATION: RMW-5D
DATE COMPLETED: January 19, 2006
DRILLING METHOD: Rotasonic & HQ Core
FIELD PERSONNEL: M. Groves

CLIENT:
LOCATION: Downers Grove, Illinois
DRILLING CONTRACTOR: Boart Longyear

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOPSOIL, with grass and roots							
2	CL CLAY, some silt, trace sand and gravel, stiff, medium plasticity, dark brown, moist	0.6		1			2	0.8
							2	1.6
4	MLS SANDY SILT, trace clay and gravel, firm, low plasticity, brown, slightly moist	3.7					0.5	1.8
6	- trace cobble at 6.0ft BGS			2			2	1.8
							2	2.4
8							1	2.3
10	- no cobble, moist at 9.5ft BGS						2	2.4
12	- slightly moist at 11.4ft BGS			3			2	1.9
14							1	1.7
16	SM SILTY SAND, medium grained, some gravel, poorly graded, loose, brown, slightly moist	15.0					1	1.7
	- trace cobble at 15.5ft BGS						2	1.6
18	- no cobble at 16.0ft BGS						1.5	0.9
20				4			2	1.7
22							2	2.4
24							1	2.6

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼ 1/19/06

OVERBURDEN LOG 030409-BEDROCK MW/GPJ CRA CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 4

PROJECT NAME: Rexnord

PROJECT NUMBER: 030409

CLIENT:

LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-5D

DATE COMPLETED: January 19, 2006

DRILLING METHOD: Rotasonic & HQ Core

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
26							1	1.8
28	CL CLAY, some silt and sand, trace gravel, firm, medium plasticity, brown, moist - no sand or gravel, trace silt, high plasticity, gray at 28.0ft BGS	27.1					2	1.8
30							2	1.7
32	SP SAND, medium grained, some gravel, poorly graded, compact, brown, wet	31.0		5			2	1.7
34	CL CLAY, some sand, trace silt, soft, high plasticity, gray, very moist - with sand at 35.0ft BGS	32.3					2	0.9
36							1	1.4
38							1	1.4
40	SM SILTY SAND, medium grained, some gravel, trace clay, compact, brown, slightly moist	36.3					2	1.9
42							2	2.4
44	CL-ML SILTY CLAY, trace sand, soft, high plasticity, gray moist	39.5					2	2.6
46	SP SAND, compact, fine to medium grained, poorly graded, brown, wet - with silt at 42.3ft BGS	41.3		6			2	2.3
48	MLS SANDY SILT, some clay, trace gravel, soft, low plasticity, gray, moist - firm at 44.0ft BGS	42.7					1	2.0
							1	2.0
	SP SAND, medium grained, with gravel, poorly graded, compact, brown, wet	46.0					2	1.8
	MLS SANDY SILT, trace gravel, firm, low plasticity, brown, moist - stiff at 48.7ft BGS	47.5					2	1.9

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL 1/19/06

OVERBURDEN LOG 030409-BEDROCK MW/GPJ CRA CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 3 of 4

PROJECT NAME: Rexnord

PROJECT NUMBER: 030409

CLIENT:

LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-5D

DATE COMPLETED: January 19, 2006

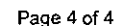
DRILLING METHOD: Rotasonic & HQ Core

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N VALUE	PID (ppm)
52	SM SILTY SAND, medium grained, some gravel, well graded, compact, brown, wet - with gravel at 51.0ft BGS - some gravel at 52.0ft BGS	50.5		7			2	1.9
54	ML SILT, some sand, trace gravel, firm, low plasticity, gray, moist - very moist at 55.0ft BGS	52.5					2	2.0
56							1	2.4
							1	2.4
58	SP SAND, medium grained, some silt and gravel, poorly graded, compact, gray, wet (weathered bedrock?)	57.5					2	2.6
60							2	0.9
62				8			2	2.4
64	- bedrock - limestone fragments at 63.0ft BGS						2	1.9
							1	2.3
66	END OF OVERBURDEN HOLE @ 65.0ft BGS							
68								
70								
72								
74								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼ 1/19/06

OVERBURDEN LOG 030409-BEDROCK MW.GPJ CRA_CORP.GDT 5/25/06



HOLE DESIGNATION: RMW-5D
DATE COMPLETED: January 19, 2006
DRILLING METHOD: Rotasonic & HQ Core
FIELD PERSONNEL: M. Groves

LOCATION: Downers Grove, Illinois
DRILLING CONTRACTOR: Boart Longyear

BEDROCK LOG 030409-BEDROCK MW.GPJ CRA CORP.GDT 5/25/06

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL 1/19/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 3

PROJECT NAME: Rextord

PROJECT NUMBER: 030409

CLIENT:

LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-6D

DATE COMPLETED: January 19, 2006

DRILLING METHOD: Rotasonic & HQ Core

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N VALUE	PID (ppm)
	TOPSOIL, with grass and roots	0.5		1			2	0
2	CL-ML SILTY CLAY, some sand, trace gravel, stiff, low plasticity, dark brown, slightly moist						1.8	0.2
4	- brown at 1.8ft BGS						0	0.5
6	- moist at 4.8ft BGS			2			2	0.5
8	- silty, sandy clay at 5.8ft BGS						2	0.9
10	- firm at 8.5ft BGS						0.7	0.7
12	- soft, very moist at 10.0ft BGS			3			2	0.7
14	- some gravel, stiff, slightly moist at 13.3ft BGS						2	0.9
16	- sandy clay, trace gravel, very stiff at 15.5ft BGS			4			1	1.2
18							2	1.2
20							2	0.4
22							1	0.7
24				5			2	1.9
26	CL CLAY, trace sand and silt, firm, medium plasticity, brown, moist	21.0					2	1.8
28	- high plasticity, gray at 23.0ft BGS						1	1.8
30							1	1.8
32							2	2.3
34							2	1.9
36				6			2	1.7
38							2	1.9
							1	2.4
							1	2.4
							2	2.1
							2	1.6

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL 1/18/06

OVERBURDEN LOG 030409-BEDROCK MW.GPJ CRA CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 3

PROJECT NAME: Rexnord

PROJECT NUMBER: 030409

CLIENT:

LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-6D

DATE COMPLETED: January 19, 2006

DRILLING METHOD: Rotosonic & HQ Core

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
42				7			2	1.2
44	SP SAND, medium grained, some gravel, trace cobble, poorly graded, compact, light brown, wet	43.0 44.2					2	1.5
46	ML SILT, some sand, trace gravel, firm, low plasticity, gray, moist						1	1.4
48							1	1.4
50							2	1.7
52	SP SAND, fine to medium grained, trace gravel, poorly graded, compact, gray, wet	50.0		8			2	1.6
54							2	1.1
56	ML SILT, some sand, trace gravel, firm, low plasticity, gray, moist - some gravel, soft, very moist at 55.0ft BGS	54.1					2	1.3
58	SP SAND, medium grained, some silt and gravel, poorly graded, compact, gray, wet (weathered bedrock?)	56.3					1	1.7
60							1	1.7
62							2	1.6
64				9			2	1.1
66	END OF OVERBURDEN HOLE @ 65.0ft BGS						2	1.1
68							2	1.3
70							1	0.6
72								
74								
76								
78								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STATIC WATER LEVEL ▼ 1/18/06

OVERBURDEN LOG 030409-BEDROCK MW.GPJ CRA CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

Page 3 of 3

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409

CLIENT:

LOCATION: Downers Grove, Illinois

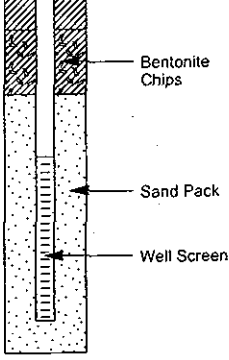
DRILLING CONTRACTOR: Boart Longyear

HOLE DESIGNATION: RMW-6D

DATE COMPLETED: January 19, 2006

DRILLING METHOD: Rotasonic & HQ Core

FIELD PERSONNEL: M. Groves

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	RUN NUMBER	CORE RECOVERY %	RQD %	Water Return (gallons)
66	DOLOSTONE, fine grained, well cemented, massive, gray	65.0		1		20	Unknown
68	- horizontal fracture, moderately weathered, oxidized at 65.9ft BGS						
70	- fragmented, slightly weathered from 66.0 to 68.8ft BGS						
72	- horizontal fracture, moderately weathered, oxidized at 68.9ft BGS						
74	- horizontal fracture, moderately weathered, oxidized at 69.7ft BGS			2		58	Unknown
76	- horizontal fracture, moderately weathered, oxidized at 70.2ft BGS						
78	- horizontal fracture, moderately weathered, oxidized at 72.2ft BGS	75.0					
80	- horizontal fracture, moderately weathered, oxidized at 72.2ft BGS						
82	- horizontal fracture, moderately weathered, oxidized at 73.5ft BGS						
84	END OF BOREHOLE @ 75.0ft BGS						
86							
88							
90							
92							
94							
96							
98							
100							
102							

WELL DETAILS

Screened interval:

69.0 to 74.0ft BGS

Length: 5ft

Diameter: 2in

Slot Size: 10

Material: Factory-slotted
Stainless Steel

Seal:

65.0 to 67.0ft BGS

Material: Bentonite Chips

Sand Pack:

67.0 to 75.0ft BGS

Material: #5 Silica Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼ 1/18/06

BEDROCK LOG 030409-BEDROCK MW/GPJ CRA_CORP.GDT 5/25/06



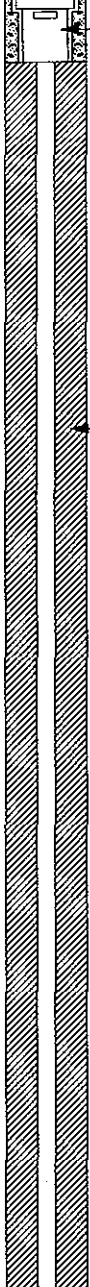
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 3

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409

HOLE DESIGNATION: RMW-7D
DATE COMPLETED: January 18, 2006
DRILLING METHOD: Rotasonic & HQ Core
FIELD PERSONNEL: M. Groves

CLIENT:
LOCATION: Downers Grove, Illinois
DRILLING CONTRACTOR: Boart Longyear

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
2	TOPSOIL, with grass and roots CL CLAY, some silt and sand, stiff, low plasticity, dark brown, slightly moist - black at 1.1ft BGS	0.4	 Concrete Surface Seal 2" Dia. Stainless Steel Casing	1			2	1.1
	- brown at 3.4ft BGS						2	0.8
4	MLS SANDY SILT, trace clay, hard, low plasticity, brown, slightly moist	4.0					1	1.1
6				2			2	1.1
8							2	1.3
10	SP SAND, fine grained, some silt, poorly graded, loose, dry, brown	10.0					0.5	1.2
12				3			2	0.8
14							2	1.0
16	- with silt, trace gravel at 16.0ft BGS			4			1	1.4
18							2	1.4
20	- trace cobble, moist at 18.8ft BGS						2	1.1
22				5			0.3	1.4
24	MLS SANDY SILT, trace gravel, stiff, low plasticity, brown, moist	22.5					2	0.7
26							2	1.7
28	SP SAND, medium grained, some gravel and silt, poorly graded, compact, brown, moist	28.1					1	1.4
							1	1.4
							2	1.4
							0.5	1.3

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 030409-BEDROCK MW.GPJ CRA CORP.GDT 5/25/08



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 3

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409
CLIENT:

HOLE DESIGNATION: RMW-7D
DATE COMPLETED: January 18, 2006
DRILLING METHOD: Rotasonic & HQ Core
FIELD PERSONNEL: M. Groves

LOCATION: Downers Grove, Illinois
DRILLING CONTRACTOR: Boart Longyear

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
32	ML SILT, some sand and gravel, soft, low plasticity, reddish brown, very moist	31.8		6			2	1.3
							2	1.8
34	- trace sand and gravel, firm, gray, moist at 34.3ft BGS						1	1.9
36							1	1.9
							2	2.1
38	SP SAND, some silt and gravel, compact, medium grained, poorly graded, brown, slightly moist	37.8						
		39.1					2	2.0
40	CL CLAY, some sand, trace gravel and silt, stiff, low plasticity, gray, slightly moist - with gravel, trace cobble at 40.1ft BGS - with silt, trace gravel, no cobble at 41.1ft BGS			7			2	1.7
42		42.5					2	12.1
44	MLS SANDY SILT, trace gravel, stiff, low plasticity, grayish brown, moist						1	0.9
		44.8					1	0.9
46	SP SAND, some clay and gravel, compact, medium grained, poorly graded, brown, slightly moist						2	2.1
48	CL CLAY, trace sand, gravel, and silt, very stiff, low plasticity, gray, slightly moist	48.1					2	1.5
50	- weathered bedrock, tan, dry from 51.0 to 53.5ft BGS			8			2	2.4
52							2	1.8
54	- bedrock - limestone fragments at 53.5ft BGS						1	1.7
56	END OF OVERBURDEN HOLE @ 55.0ft BGS							
58								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 030409-BEDROCK MW.GPJ CRA CORP.GDT 5/25/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (BEDROCK)

Page 3 of 3

PROJECT NAME: Rexnord
PROJECT NUMBER: 030409
CLIENT:

HOLE DESIGNATION: RMW-7D
DATE COMPLETED: January 18, 2006
DRILLING METHOD: Rotasonic & HQ Core
FIELD PERSONNEL: M. Groves

LOCATION: Downers Grove, Illinois

DRILLING CONTRACTOR: Boart Longyear

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BEDROCK MONITORING WELL	RUN NUMBER	CORE RECOVERY %	RQD %	Water Return (gallons)
56	DOLOSTONE, fine grained, well cemented, massive, blue-gray	55.0					
58	- horizontal fracture, highly weathered, oxidized at 56.2ft BGS		Bentonite Chips	1		17	Unknown
60	- horizontal fracture, moderately weathered, oxidized at 56.6ft BGS						
62	- horizontal fracture, highly weathered, oxidized at 57.0ft BGS						
64	- horizontal fracture, highly weathered, oxidized at 57.5ft BGS		Sand Pack				
66	- void, crystal/pyrite infilled at 57.7ft BGS		Well Screen	2		32	Unknown
68	- angular fracture (45 degrees), moderately weathered, oxidized at 58.1ft BGS	65.0					
70	- fragmented, unweathered from 58.5 to 59.7ft BGS						
72	- horizontal fracture, moderately weathered, oxidized at 60.8ft BGS						
74	- void, crystal infilled at 61.9ft BGS						
76	- horizontal fracture, slightly weathered at 62.1ft BGS						
78	- horizontal fracture, moderately weathered, calcite infilled at 63.9ft BGS						
80	END OF BOREHOLE @ 65.0ft BGS						
82							

WELL DETAILS

Screened Interval:

60.0 to 65.0ft BGS

Length: 5ft

Diameter: 2in

Slot Size: 10

Material: Factory-slotted

Stainless Steel

Seal:

56.0 to 58.0ft BGS

Material: Bentonite Chips

Sand Pack:

58.0 to 65.0ft BGS

Material: #5 Silica Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

BEDROCK LOG 030409-BEDROCK MW/G21 CRA CORP.GDT 5/25/06

APPENDIX B

LABORATORY ANALYTICAL REPORTS



STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 30409

REXNORD, DOWNERS GROVE

Lot #: A6B160155
SDG #: 6B16155

Julie Czech

Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

SEVERN TRENT LABORATORIES, INC.

Amy L. McCormick
Project Manager

March 2, 2006

SAMPLE SUMMARY

6B16155 : A6B160155

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HXKAA	001	GW-021306-DS-01	02/13/06	13:18
HXKAE	002	GW-021306-CA-02	02/13/06	16:40
HXKAF	003	GW-021306-CA-03	02/13/06	16:40
HXKAH	004	GW-021306-CA-04	02/13/06	17:10
HXKAJ	005	GW-021406-CA-05	02/14/06	08:45
HXKAK	006	GW-021406-CA-06	02/14/06	10:03
HXKAL	007	GW-021406-CA-10	02/14/06	11:07
HXKAP	008	GW-021406-CA-07	02/14/06	14:12
HXKAR	009	GW-021406-CA-08	02/14/06	16:02
HXKAT	010	GW-021406-CA-09	02/14/06	17:15
HXKAW	011	GW-021506-CA-11	02/15/06	10:17
HXKAX	012	TRIP-021506-01	02/15/06	

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-021306-DS-01

GC/MS Volatiles

Lot-Sample #....: A6B160155-001 Work Order #....: HXKAA1AA Matrix.....: WG
 Date Sampled....: 02/13/06 13:18 Date Received...: 02/16/06
 Prep Date.....: 02/20/06 Analysis Date...: 02/20/06
 Prep Batch #....: 6052063
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	0.57 J	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	125	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-021306-CA-02

GC/MS Volatiles

Lot-Sample #....: A6B160155-002 Work Order #....: HXKAE1AA Matrix.....: WG
 Date Sampled...: 02/13/06 16:40 Date Received...: 02/16/06
 Prep Date.....: 02/20/06 Analysis Date...: 02/20/06
 Prep Batch #....: 6052063
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	0.52 J	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	124	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-021306-CA-03

GC/MS Volatiles

Lot-Sample #....: A6B160155-003 Work Order #....: HXKAF1AA Matrix.....: WG
 Date Sampled....: 02/13/06 16:40 Date Received...: 02/16/06
 Prep Date.....: 02/20/06 Analysis Date...: 02/20/06
 Prep Batch #....: 6052063
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	0.50 J	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	124	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-021306-CA-04

GC/MS Volatiles

Lot-Sample #....: A6B160155-004 Work Order #....: HXKAH1AA Matrix.....: WG
 Date Sampled....: 02/13/06 17:10 Date Received...: 02/16/06
 Prep Date.....: 02/20/06 Analysis Date...: 02/20/06
 Prep Batch #....: 6052063
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	125	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-021406-CA-05

GC/MS Volatiles

Lot-Sample #....: A6B160155-005 Work Order #....: HXKAJ1AA Matrix.....: WG
 Date Sampled....: 02/14/06 08:45 Date Received...: 02/16/06
 Prep Date.....: 02/20/06 Analysis Date...: 02/20/06
 Prep Batch #....: 6052063
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	124	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-021406-CA-06

GC/MS Volatiles

Lot-Sample #....: A6B160155-006 Work Order #....: HXKAK1AA Matrix.....: WG
 Date Sampled...: 02/14/06 10:03 Date Received...: 02/16/06
 Prep Date.....: 02/20/06 Analysis Date...: 02/20/06
 Prep Batch #....: 6052063
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	0.68 J	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	0.31 J	1.0	ug/L
1,1,1-Trichloroethane	1.7	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	0.86 J	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	125	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-021406-CA-10

GC/MS Volatiles

Lot-Sample #....: A6B160155-007 Work Order #....: HXKAL1AA Matrix.....: WG
 Date Sampled....: 02/14/06 11:07 Date Received...: 02/16/06
 Prep Date.....: 02/20/06 Analysis Date...: 02/20/06
 Prep Batch #....: 6052063
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	126	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-021406-CA-07

GC/MS Volatiles

Lot-Sample #....: A6B160155-008 Work Order #....: HXKAP1AA Matrix.....: WG
 Date Sampled....: 02/14/06 14:12 Date Received...: 02/16/06
 Prep Date.....: 02/20/06 Analysis Date...: 02/20/06
 Prep Batch #....: 6052063
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	124	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-021406-CA-08

GC/MS Volatiles

Lot-Sample #....: A6B160155-009 Work Order #....: HXKAR1AA Matrix.....: WG
 Date Sampled....: 02/14/06 16:02 Date Received...: 02/16/06
 Prep Date.....: 02/20/06 Analysis Date...: 02/20/06
 Prep Batch #....: 6052063
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(73 - 122)
1,2-Dichloroethane-d4	127	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-021406-CA-09

GC/MS Volatiles

Lot-Sample #....: A6B160155-010 Work Order #....: HXKAT1AA Matrix.....: WG
 Date Sampled....: 02/14/06 17:15 Date Received...: 02/16/06
 Prep Date.....: 02/20/06 Analysis Date...: 02/20/06
 Prep Batch #....: 6052063
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	122	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-021506-CA-11

GC/MS Volatiles

Lot-Sample #....: A6B160155-011 Work Order #....: HXKAW1AA Matrix.....: WG
 Date Sampled....: 02/15/06 10:17 Date Received...: 02/16/06
 Prep Date.....: 02/20/06 Analysis Date...: 02/20/06
 Prep Batch #....: 6052063
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	124	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP-021506-01

GC/MS Volatiles

Lot-Sample #....: A6B160155-012 Work Order #....: HXKAX1AA Matrix.....: WQ
 Date Sampled....: 02/15/06 Date Received...: 02/16/06
 Prep Date.....: 02/20/06 Analysis Date...: 02/20/06
 Prep Batch #....: 6052063
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
Methylene chloride	0.40 J	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(73 - 122)
1,2-Dichloroethane-d4	125	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.

CONESTOGA-ROVERS & ASSOCIATES



8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
(773)380-9933 phone
(773)380-6421 fax

SHIPPED TO
(Laboratory Name):

STL North CANTON

REFERENCE NUMBER:

30409

PROJECT NAME:

REXNORD, DOWNERS GROVE

CHAIN-OF-CUSTODY RECORD

SAMPLER'S
SIGNATURE:

[Signature]

PRINTED
NAME:

SHEILD

SEQ. No.	DATE	TIME	SAMPLE IDENTIFICATION No.	SAMPLE MATRIX	No. OF CONTAINERS	PARAMETERS	REMARKS
	2-13-06	1318	GW-021306-DS-01	WATER	3	TEL	Any Questions
			1640 GW-021306-CA-02		1	YES	Call
		1440	-03		1		Down Satter
		1710	-04		1		773-380-9933
	2-14-06	845	GW-021406-CA-05		1		
		10:23	-06		1		
		1107	-10 ms/msd		1		
		1412	-07		1		
		1602	-08		1		
		1715	-09		1		
	2-15-06	1017	GW-021506-CA-11		1		
	2-15-06		TRIP-021506-01		1		
TOTAL NUMBER OF CONTAINERS					52		

RELINQUISHED BY:

①

[Signature]

DATE: 2-15-06

TIME: 1300

RECEIVED BY:

②

DATE:

TIME:

RELINQUISHED BY:

②

DATE:

TIME:

RECEIVED BY:

③

DATE:

TIME:

RELINQUISHED BY:

③

DATE:

TIME:

RECEIVED BY:

④

DATE:

TIME:

METHOD OF SHIPMENT:

FEDX

AIR BILL No.

White

-Fully Executed Copy

Yellow

-Receiving Laboratory Copy

Pink

-Shipper Copy

Goldenrod

-Sampler Copy

SAMPLE TEAM:

Andrews

SHEILD

RECEIVED FOR LABORATORY BY:

[Signature]

DATE: 2/16/06 TIME: 0930

12745



STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 30409

REXNORD

SDG #: 6C08316

Julie Czech

Conestoga-Rovers & Associates
8615 W. Bryn Mawr
Chicago, IL 60631

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in cursive script that reads "Amy L. McCormick".

Amy L. McCormick
Project Manager

March 22, 2006

SAMPLE SUMMARY

6C08316 : A6C080316

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H0V70	001	GW-030606-JK-001	03/06/06	15:20
H0V82	002	GW-030606-JK-003	03/06/06	16:20
H0V86	003	GW-030706-JK-005	03/07/06	08:50
H0V89	004	GW-030706-JK-006	03/07/06	10:10
H0V9C	005	GW-030706-JK-007	03/07/06	11:05
H0V9E	006	GW-030706-JK-008	03/07/06	11:10
H0V9G	007	GW-030706-JK-009	03/07/06	11:50
H0V9J	008	GW-030706-JK-010	03/07/06	12:45
H0V9M	009	GW-030606-JK-02	03/06/06	15:30
H0V9R	010	GW-030606-JK-04	03/06/06	16:40
H0V9X	011	GW-030706-JK-11	03/07/06	10:05
H0V90	012	GW-030706-JK-12	03/07/06	11:15
H0V92	013	GW-030706-JK-13	03/07/06	12:55
H0V93	014	GW-030706-JK-14	03/07/06	13:40
H0V95	015	GW-030706-JK-15	03/07/06	13:45
H0V96	016	GW-030706-JK-16	03/07/06	14:40
H0V97	017	GW-030706-JK-17	03/07/06	15:00
H0V98	018	TRIP BLANKS	03/07/06	

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- *This report must not be reproduced, except in full, without the written approval of the laboratory.*
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

6C08316 : A6C100195

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H02PH	001	GW-030806-JK-21	03/08/06	10:40
H02PV	002	GW-030806-JK-22	03/08/06	11:40
H02PX	003	GW-030806-JK-23	03/08/06	11:45
H02P2	004	GW-030806-JK-24	03/08/06	12:30
H02P6	005	GW-030806-JK-25	03/08/06	13:35
H02P8	006	GW-030806-JK-18	03/08/06	09:30
H02QE	007	GW-030806-JK-19	03/08/06	11:00
H02QJ	008	GW-030806-JK-20	03/08/06	11:50
H02QM	009	GW-030806-JK-26	03/08/06	13:30
H02QR	010	GW-030806-JK-27	03/08/06	13:35
H02QT	011	GW-030806-JK-28	03/08/06	14:30
H02QV	012	GW-030906-JK-30	03/09/06	10:30
H02QW	013	TRIP BLANK	03/09/06	

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030606-JK-001

GC/MS Volatiles

Lot-Sample #....: A6C080316-001 Work Order #....: H0V701AA Matrix.....: WG
 Date Sampled....: 03/06/06 15:20 Date Received...: 03/08/06
 Prep Date.....: 03/13/06 Analysis Date...: 03/13/06
 Prep Batch #....: 6073107
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030606-JK-003

GC/MS Volatiles

Lot-Sample #....: A6C080316-002 Work Order #....: H0V821AA Matrix.....: WG
 Date Sampled....: 03/06/06 16:20 Date Received...: 03/08/06
 Prep Date.....: 03/13/06 Analysis Date...: 03/13/06
 Prep Batch #....: 6073107
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	0.42 J	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-005

GC/MS Volatiles

Lot-Sample #....: A6C080316-003 Work Order #....: H0V861AA Matrix.....: WG
 Date Sampled....: 03/07/06 08:50 Date Received...: 03/08/06
 Prep Date.....: 03/13/06 Analysis Date...: 03/13/06
 Prep Batch #....: 6073107
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	0.33 J	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-006

GC/MS Volatiles

Lot-Sample #....: A6C080316-004 Work Order #....: H0V891AA Matrix.....: WG
 Date Sampled....: 03/07/06 10:10 Date Received...: 03/08/06
 Prep Date.....: 03/13/06 Analysis Date...: 03/13/06
 Prep Batch #....: 6073107
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-007

GC/MS Volatiles

Lot-Sample #....: A6C080316-005 Work Order #....: H0V9C1AA Matrix.....: WG
 Date Sampled....: 03/07/06 11:05 Date Received...: 03/08/06
 Prep Date.....: 03/14/06 Analysis Date...: 03/14/06
 Prep Batch #....: 6074144
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	0.66 J	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	0.22 J	1.0	ug/L
1,1,1-Trichloroethane	1.3	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	0.71 J	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-008

GC/MS Volatiles

Lot-Sample #....: A6C080316-006 Work Order #....: H0V9E1AA Matrix.....: WG
 Date Sampled....: 03/07/06 11:10 Date Received...: 03/08/06
 Prep Date.....: 03/14/06 Analysis Date...: 03/14/06
 Prep Batch #....: 6074144
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	0.63 J	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	0.22 J	1.0	ug/L
1,1,1-Trichloroethane	1.3	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	0.66 J	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-009

GC/MS Volatiles

Lot-Sample #....: A6C080316-007 Work Order #....: H0V9G1AA Matrix.....: WG
 Date Sampled....: 03/07/06 11:50 Date Received...: 03/08/06
 Prep Date.....: 03/14/06 Analysis Date...: 03/14/06
 Prep Batch #....: 6074144
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-010

GC/MS Volatiles

Lot-Sample #....: A6C080316-008 Work Order #....: H0V9J1AA Matrix.....: WG
 Date Sampled....: 03/07/06 12:45 Date Received...: 03/08/06
 Prep Date.....: 03/14/06 Analysis Date...: 03/14/06
 Prep Batch #....: 6074144
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030606-JK-02

GC/MS Volatiles

Lot-Sample #....: A6C080316-009 Work Order #....: H0V9M1AA Matrix.....: WG
 Date Sampled....: 03/06/06 15:30 Date Received...: 03/08/06
 Prep Date.....: 03/14/06 Analysis Date...: 03/14/06
 Prep Batch #....: 6074144
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030606-JK-04

GC/MS Volatiles

Lot-Sample #....: A6C080316-010 Work Order #....: H0V9R1AA Matrix.....: WG
 Date Sampled....: 03/06/06 16:40 Date Received...: 03/08/06
 Prep Date.....: 03/14/06 Analysis Date...: 03/14/06
 Prep Batch #....: 6074144
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	0.29 J	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-11

GC/MS Volatiles

Lot-Sample #....: A6C080316-011 Work Order #....: H0V9X1AA Matrix.....: WG
 Date Sampled....: 03/07/06 10:05 Date Received...: 03/08/06
 Prep Date.....: 03/14/06 Analysis Date...: 03/14/06
 Prep Batch #....: 6074144
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-12

GC/MS Volatiles

Lot-Sample #....: A6C080316-012 Work Order #....: H0V901AA Matrix.....: WG
 Date Sampled....: 03/07/06 11:15 Date Received...: 03/08/06
 Prep Date.....: 03/14/06 Analysis Date...: 03/14/06
 Prep Batch #....: 6074144
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	0.62 J	1.0	ug/L
1,1,1-Trichloroethane	0.59 J	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	0.38 J	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-13

GC/MS Volatiles

Lot-Sample #....: A6C080316-013 Work Order #....: H0V921AA Matrix.....: WG
 Date Sampled....: 03/07/06 12:55 Date Received...: 03/08/06
 Prep Date.....: 03/14/06 Analysis Date...: 03/14/06
 Prep Batch #....: 6074144
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846.8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	0.27 J	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-14

GC/MS Volatiles

Lot-Sample #....: A6C080316-014 Work Order #....: H0V931AA Matrix.....: WG
 Date Sampled....: 03/07/06 13:40 Date Received...: 03/08/06
 Prep Date.....: 03/14/06 Analysis Date...: 03/14/06
 Prep Batch #....: 6074144
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	2.5	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-15

GC/MS Volatiles

Lot-Sample #....: A6C080316-015 Work Order #....: H0V951AA Matrix.....: WG
 Date Sampled....: 03/07/06 13:45 Date Received...: 03/08/06
 Prep Date.....: 03/15/06 Analysis Date...: 03/15/06
 Prep Batch #....: 6075040
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	3.2	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-16

GC/MS Volatiles

Lot-Sample #....: A6C080316-016 Work Order #....: H0V961AA Matrix.....: WG
 Date Sampled....: 03/07/06 14:40 Date Received...: 03/08/06
 Prep Date.....: 03/15/06 Analysis Date...: 03/15/06
 Prep Batch #....: 6075040
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	13	1.0	ug/L
1,1,1-Trichloroethane	0.41 J	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	0.81 J	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030706-JK-17

GC/MS Volatiles

Lot-Sample #....: A6C080316-017 Work Order #....: H0V971AA Matrix.....: WG
 Date Sampled....: 03/07/06 15:00 Date Received...: 03/08/06
 Prep Date.....: 03/15/06 Analysis Date...: 03/15/06
 Prep Batch #....: 6075040
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
1,2-Dichloroethane-d4	87	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANKS

GC/MS Volatiles

Lot-Sample #....: A6C080316-018 Work Order #....: H0V981AA Matrix.....: WQ
 Date Sampled....: 03/07/06 Date Received...: 03/08/06
 Prep Date.....: 03/15/06 Analysis Date...: 03/15/06
 Prep Batch #....: 6075040
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	5.6 B	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S) :

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030806-JK-21

GC/MS Volatiles

Lot-Sample #....: A6C100195-001 Work Order #....: H02PH1AA Matrix.....: WG
 Date Sampled....: 03/08/06 10:40 Date Received...: 03/10/06
 Prep Date.....: 03/16/06 Analysis Date...: 03/16/06
 Prep Batch #....: 6076075
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	4.7	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	0.45 J	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	0.52 J	1.0	ug/L
1,1,1-Trichloroethane	12	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	21	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030806-JK-22

GC/MS Volatiles

Lot-Sample #....: A6C100195-002 Work Order #....: H02PV1AA Matrix.....: WG
 Date Sampled....: 03/08/06 11:40 Date Received...: 03/10/06
 Prep Date.....: 03/16/06 Analysis Date...: 03/16/06
 Prep Batch #....: 6076075
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	0.68 J	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	115	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030806-JK-23

GC/MS Volatiles

Lot-Sample #....: A6C100195-003 Work Order #....: H02PX1AA Matrix.....: WG
 Date Sampled....: 03/08/06 11:45 Date Received...: 03/10/06
 Prep Date.....: 03/16/06 Analysis Date...: 03/16/06
 Prep Batch #....: 6076075
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030806-JK-24

GC/MS Volatiles

Lot-Sample #....: A6C100195-004 Work Order #....: H02P21AA Matrix.....: WG
 Date Sampled....: 03/08/06 12:30 Date Received...: 03/10/06
 Prep Date.....: 03/16/06 Analysis Date...: 03/16/06
 Prep Batch #....: 6076075
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030806-JK-25

GC/MS Volatiles

Lot-Sample #...: A6C100195-005 Work Order #...: H02P61AA Matrix.....: WG
 Date Sampled...: 03/08/06 13:35 Date Received...: 03/10/06
 Prep Date.....: 03/16/06 Analysis Date...: 03/16/06
 Prep Batch #...: 6076075
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030806-JK-18

GC/MS Volatiles

Lot-Sample #....: A6C100195-006 Work Order #....: H02P81AA Matrix.....: WG
 Date Sampled....: 03/08/06 09:30 Date Received...: 03/10/06
 Prep Date.....: 03/16/06 Analysis Date...: 03/16/06
 Prep Batch #....: 6076075
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030806-JK-19

GC/MS Volatiles

Lot-Sample #....: A6C100195-007 Work Order #....: H02QE1AA Matrix.....: WG
 Date Sampled....: 03/08/06 11:00 Date Received...: 03/10/06
 Prep Date.....: 03/16/06 Analysis Date...: 03/16/06
 Prep Batch #....: 6076075
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	2.3	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	1.8	1.0	ug/L
1,1,1-Trichloroethane	0.22 J	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	12	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030806-JK-20

GC/MS Volatiles

Lot-Sample #....: A6C100195-008 Work Order #....: H02QJ1AA Matrix.....: WG
 Date Sampled....: 03/08/06 11:50 Date Received...: 03/10/06
 Prep Date.....: 03/16/06 Analysis Date...: 03/16/06
 Prep Batch #....: 6076075
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030806-JK-26

GC/MS Volatiles

Lot-Sample #....: A6C100195-009 Work Order #....: H02QM1AA Matrix.....: WG
 Date Sampled....: 03/08/06 13:30 Date Received...: 03/10/06
 Prep Date.....: 03/16/06 Analysis Date...: 03/16/06
 Prep Batch #....: 6076075
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030806-JK-27

GC/MS Volatiles

Lot-Sample #....: A6C100195-010 Work Order #....: H02QR1AA Matrix.....: WG
 Date Sampled....: 03/08/06 13:35 Date Received...: 03/10/06
 Prep Date.....: 03/16/06 Analysis Date...: 03/16/06
 Prep Batch #....: 6076075
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030806-JK-28

GC/MS Volatiles

Lot-Sample #...: A6C100195-011 Work Order #...: H02QT1AA Matrix.....: WG
 Date Sampled...: 03/08/06 14:30 Date Received...: 03/10/06
 Prep Date.....: 03/16/06 Analysis Date...: 03/16/06
 Prep Batch #...: 6076075
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-030906-JK-30

GC/MS Volatiles

Lot-Sample #....: A6C100195-012 Work Order #....: H02QV1AA Matrix.....: WG
 Date Sampled....: 03/09/06 10:30 Date Received...: 03/10/06
 Prep Date.....: 03/17/06 Analysis Date...: 03/17/06
 Prep Batch #....: 6079119
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Tetrachloroethene	33	1.0	ug/L
1,1,1-Trichloroethane	0.52 J	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	13	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	115	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #....: A6C100195-013 Work Order #....: H02QW1AA Matrix.....: WQ
 Date Sampled....: 03/09/06 Date Received...: 03/10/06
 Prep Date.....: 03/16/06 Analysis Date...: 03/16/06
 Prep Batch #....: 6076075
 Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol...: 5 mL
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
Methylene chloride	2.2 B	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	115	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

NOTE (S) :

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONESTOGA-ROVERS & ASSOCIATES


8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
(773)380-9933 phone
(773)380-6421 fax

SHIPPED TO

(Laboratory Name): *SEVERN TRENT LABS - NORTH CANTON*

REFERENCE NUMBER:

30409

PROJECT NAME:

REXNORD

CHAIN-OF-CUSTODY RECORD

SAMPLER'S
SIGNATURE:

Jeff Kolodziej

PRINTED
NAME:

JEFF KOLODZIEJSKI

SEQ. No.	DATE	TIME	SAMPLE IDENTIFICATION No.	SAMPLE MATRIX	No. OF CONTAINERS	SPEC VOL'S	TRIP VOL'S	TRIP BUA, METALS	PCBS	TOTAL CHLORIDE	METALS (TOTAL)	FLAMMABLE	PH, REACTIVE SULFIDE	TOTAL RESIDUAL CHLORINE	REMARKS
	<i>3/8/06</i>	<i>1040</i>	<i>GW-030806-JK-21</i>	<i>WATER</i>	<i>9</i>	<i>X</i>									<i>MS/MSD</i>
		<i>1140</i>			<i>3</i>	<i>X</i>									
		<i>1145</i>			<i>3</i>	<i>X</i>									
		<i>1230</i>			<i>3</i>	<i>X</i>									
		<i>1335</i>			<i>3</i>	<i>X</i>									
		<i>0930</i>			<i>9</i>	<i>X</i>									<i>MS/MSD</i>
		<i>1100</i>			<i>3</i>	<i>X</i>									
		<i>1150</i>			<i>3</i>	<i>X</i>									
		<i>1330</i>			<i>3</i>	<i>X</i>									
		<i>1335</i>			<i>3</i>	<i>X</i>									
		<i>1430</i>			<i>3</i>	<i>X</i>									
	<i>3/9/06</i>	<i>0950</i>	<i>GW-030906-JK-29</i>		<i>11</i>		<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	
		<i>1030</i>	<i>GW-030906-JK-30</i>	<i>↓</i>	<i>3</i>	<i>X</i>									
			<i>TRIP BLANK</i>	<i>↓</i>	<i>1</i>	<i>X</i>									
TOTAL NUMBER OF CONTAINERS					<i>60</i>										

RELINQUISHED BY:

①

Jeff Kolodziej

DATE:

3/9/06

TIME:

1630

RECEIVED BY:

②

DATE:

TIME:

RELINQUISHED BY:

②

DATE:

TIME:

RECEIVED BY:

③

DATE:

TIME:

RELINQUISHED BY:

③

DATE:

TIME:

RECEIVED BY:

④

DATE:

TIME:

METHOD OF SHIPMENT:

Fed Ex

AIR BILL No.

8513 8380 8651

White

-Fully Executed Copy

Yellow

-Receiving Laboratory Copy

Pink

-Shipper Copy

Goldenrod

-Sampler Copy

SAMPLE TEAM:
RECEIVED FOR LABORATORY BY:

John Maddams

DATE: *3/10/06*

TIME: *9:15 AM*

12709

APPENDIX C

DATA VALIDATION MEMOS AND CHAIN OF CUSTODY FORMS



**CONESTOGA-ROVERS
& ASSOCIATES**

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MEMORANDUM

TO: Doug Soutter
FROM: Julie Czech/lg/1
RE: Data Quality Assessment and Validation for the Groundwater Samples Collected at the
Rexnord Site in Downers Grove, Illinois

REF. NO.: 030409
DATE: May 5, 2006

The following details the data quality assessment and validation conducted for the groundwater samples collected during the February and March 2006 investigation at the Rexnord Site Downers Grove, Illinois. The samples identified in Table 1 were analyzed for a select list of volatile organic compounds (VOCs) by Severn Trent Laboratories, Inc. (STL) of North Canton, Ohio. The method of analysis is identified in Table 2. The quality assurance criteria used to assess the data were established by the quality assurance project plan¹.

Holding Time Period

The holding time period is presented in Table 3. The samples were prepared and analyzed within the required holding time period.

Gas Chromatography/Mass Spectrometry (GC/MS) Instrument Performance Checks

To ensure adequate mass resolution, identification, and sensitivity, the performance of each GC/MS instrument used for VOC analysis was checked at the beginning of each 12-hour analysis period using bromofluorobenzene. The results of all instrument performance checks were acceptable.

Initial Calibration Data

Initial calibration data were used to demonstrate that each instrument was capable of generating acceptable quantitative data. Initial calibration acceptance criteria for the VOC analyses required that all compounds meet a method-specified minimum relative response factor (RRF) and maximum relative standard deviation (%RSD). The initial calibration data were acceptable.

Continuing Calibration Data

To ensure that each instrument was capable of producing acceptable quantitative data throughout the analysis period, routine instrument calibration checks were performed. Continuing calibration acceptance criteria for the VOCs analyses required that all compounds meet a method-specified minimum RRF and maximum percent difference (%D) between the initial calibration mean RRF and the continuing calibration

¹ Application of quality assurance criteria was consistent with the relevant criteria in "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA 540/R-99/008, October 1999.

RRF. Table 4 presents the sample data that should be qualified. The remaining continuing calibration data were acceptable.

Method Blank Samples

Method blank sample data were evaluated to verify that analytes detected in the investigative samples were not attributable to laboratory conditions or procedures. Methylene chloride was detected in certain method blank samples. Qualification of the associated sample data was not required because this analyte was not detected in the associated investigative samples. The remaining method blank data were acceptable.

Internal Standards Performance Data

Overall instrument performance for the VOC analyses was monitored by evaluating internal standards peak area and retention time data. The internal standards data were acceptable.

Surrogate Compound Analyses

Method performance on individual samples analyzed for VOCs was evaluated by the percent recovery and retention time data of surrogate compound spikes. The surrogate compound percent recovery data were acceptable.

Matrix Spike/Matrix Spike Duplicate Sample Analyses

Analytical accuracy and precision relative to the sample matrices were evaluated by the percent recovery and relative percent difference (RPD) data from matrix spike/matrix spike duplicate (MS/MSD) sample analyses. The percent recovery and RPD data were acceptable for project-specific MS/MSD samples.

Laboratory Control Sample/Laboratory Control Sample Duplicate Sample Analyses

The accuracy and precision of the PCB analyses were assessed by evaluating the percent recovery and RPD data from laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses. The LCS/LCSD percent recovery and RPD data were acceptable.

Field Quality Control Sample Analyses

The field quality control samples collected during the sampling event consisted of trip blank, field equipment rinsate blank, and field duplicate samples.

To monitor potential groundwater sample cross-contamination by VOCs during sample transportation and storage, trip blank samples were submitted to the laboratory for VOC analysis with the groundwater samples. Methylene chloride was detected in certain trip blank samples. Qualification of the associated sample data was not required because this analyte was not detected in the associated investigative samples. The remaining trip blank sample data were acceptable.

To monitor the efficacy of the decontamination procedure used for non-dedicated monitoring well sampling equipment, field equipment rinsate blank samples were collected and analyzed. Target analytes were not detected in the field blank samples.

Overall precision for the sampling and analysis event was evaluated by field duplicate sample data. The QAPP specified an advisory RPD limit of 50 percent for field duplicate sample data (for sample results greater than or equal to five times their respective reporting limits). Table 5 summarizes the results for analytes detected in investigative and field duplicate samples. The field duplicate RPD data met the acceptance criteria in the QAPP, which indicates that an acceptable level of overall precision was achieved.

Completeness

Completeness, as determined by the total number of usable results versus the total number of results, was required to be 90 percent or greater. The completeness goal was met.

Overall Assessment

The data were found to be suitable for their intended use with the qualifications noted.

Attachments

TABLE 1
SAMPLE IDENTIFICATION NUMBERS
REXNORD SITE
DOWNERS GROVE, ILLINOIS

Sample ID

GW-021306-DS-01
GW-021306-CA-02
GW-021306-CA-03
GW-021306-CA-04
GW-021406-CA-05
GW-021406-CA-06
GW-021406-CA-07
GW-021406-CA-08
GW-021406-CA-09
GW-021406-CA-10
GW-021506-CA-11
GW-030606-JK-001
GW-030606-JK-002
GW-030606-JK-003
GW-030606-JK-004
GW-030706-JK-005
GW-030706-JK-006
GW-030706-JK-007
GW-030706-JK-008
GW-030706-JK-009
GW-030706-JK-010
GW-030706-JK-011
GW-030706-JK-012
GW-030706-JK-013
GW-030706-JK-014
GW-030706-JK-015
GW-030706-JK-016
GW-030706-JK-017
GW-030806-JK-18
GW-030806-JK-19
GW-030806-JK-20
GW-030806-JK-21
GW-030806-JK-22
GW-030806-JK-23
GW-030806-JK-24
GW-030806-JK-25
GW-030806-JK-26
GW-030806-JK-27
GW-030806-JK-28
GW-030906-JK-30

TABLE 2

SUMMARY OF ANALYTICAL METHODS
REXNORD SITE
DOWNERS GROVE, ILLINOIS

<i>Parameter</i>	<i>Analytical Method</i> ¹
select Volatile Organic Compounds (VOCs)	SW-846 8260B

¹ Methods were referenced from:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition with Updates I through IIIA.

TABLE 3
HOLDING TIME PERIODS
REXNORD SITE
DOWNERS GROVE, ILLINOIS

<i>Parameter</i>	<i>Holding Time Period</i>
VOCs	- 14 days from sample collection to completion of analysis

TABLE 4

SUMMARY OF SAMPLE DATA QUALIFIED FOR
CONTINUING CALIBRATION ACCEPTANCE CRITERIA VIOLATION
REXNORD SITE
DOWNERS GROVE, ILLINOIS

<i>Analyte</i>	<i>Associated Samples</i>	<i>Qualifier</i> ¹
Methylene chloride	GW-030606-JK-001	UJ
	GW-030606-JK-003	UJ
	GW-030706-JK-005	UJ
	GW-030706-JK-006	UJ

¹ The sample results are qualified as:

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

TABLE 5
SUMMARY OF DETECTED ANALYTES FROM
FIELD DUPLICATE SAMPLE SETS
REXNORD SITE
DOWNERS GROVE, ILLINOIS

<i>Analyte</i>	<i>Investigative Sample</i> GW-021306-CA-02 ($\mu\text{g/L}$)	<i>Duplicate Sample</i> GW-021306-CA-03 ($\mu\text{g/L}$)	<i>RPD</i> ¹
Tetrachloroethene	0.52J ²	0.50J	3.9

<i>Analyte</i>	<i>Investigative Sample</i> GW-030706-JK-007 ($\mu\text{g/L}$)	<i>Duplicate Sample</i> GW-030706-JK-008 ($\mu\text{g/L}$)	<i>RPD</i> ¹
1,1-Dichloroethane	0.66J	0.63J	4.7
Tetrachloroethene	0.22J	0.22J	0
1,1,1-Trichloroethane	1.3	1.3	0
Trichloroethene	0.71J	0.66J	7.3

<i>Analyte</i>	<i>Investigative Sample</i> GW-030706-JK-014 ($\mu\text{g/L}$)	<i>Duplicate Sample</i> GW-030706-JK-015 ($\mu\text{g/L}$)	<i>RPD</i> ¹
Tetrachloroethene	2.5	3.2	25

¹ RPD - Relative Percent Difference

² J - Analyte concentration between method detection limit and reporting limit